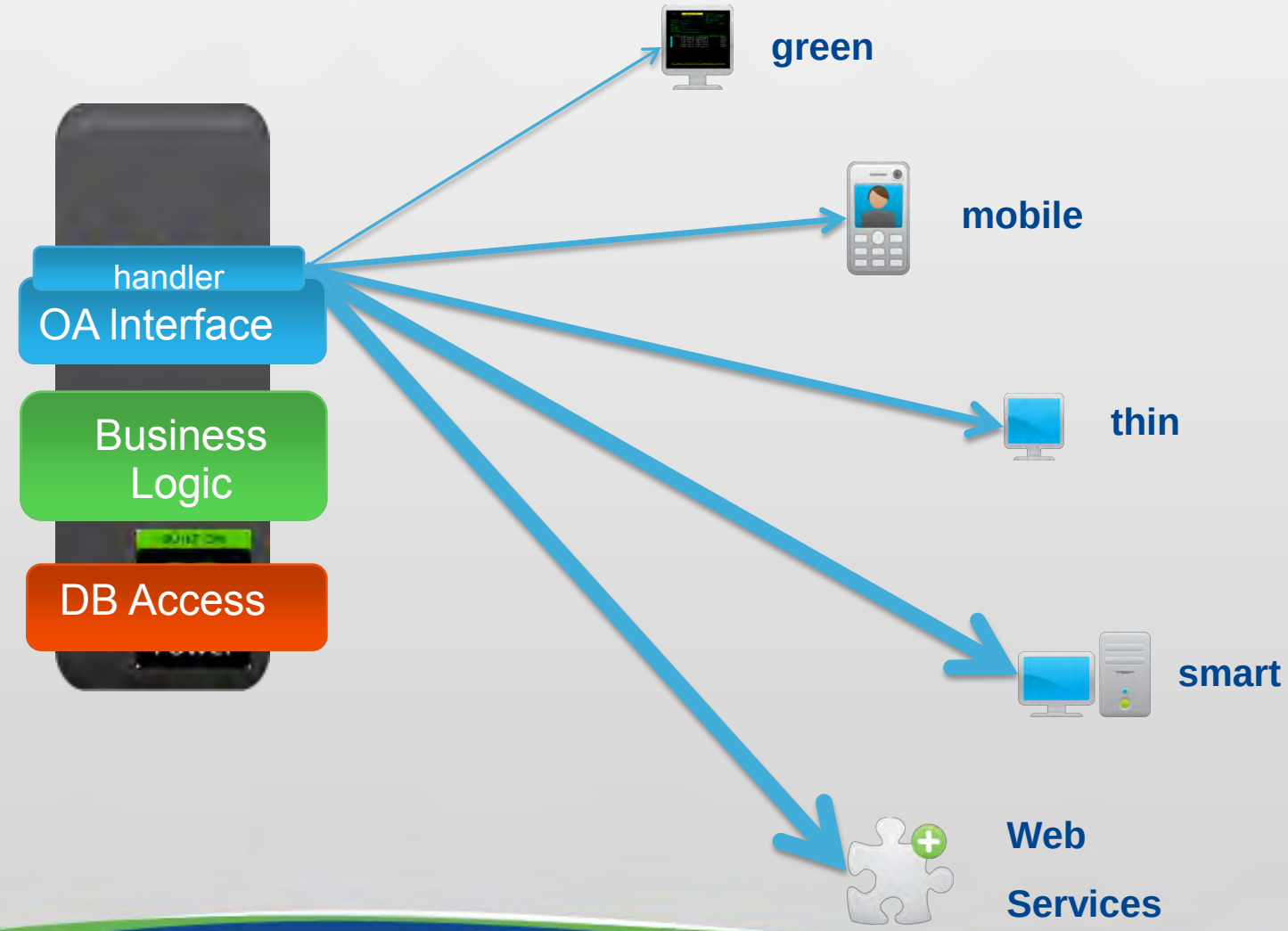
looksoftware support for IBM Open Access for RPG

Todd Ferguson &
Nick Hampson

ROA natively supports multi-channel



About **look**software

Modernizing apps since 1995

Pioneered dynamic architecture

Reuse of existing IT assets is our niche

3000 customers and partners in over 50 countries

Well over 1 Million seats installed

Reuse Makes Business Sense

Reduce Costs

Increase Productivity

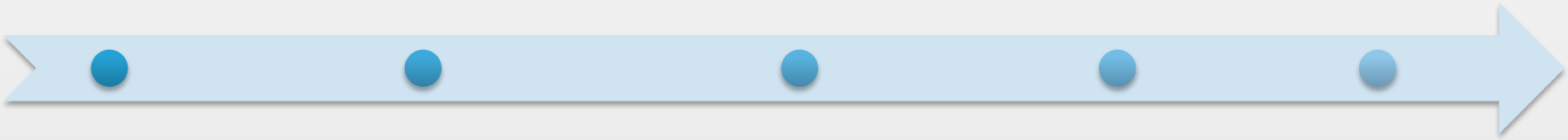
Better time to value

Increase project success rate

Make your life easier

Reduce carbon emissions

looksoftware – The path forward



Reuse

Re-purposing

New

newlook

soarchitect

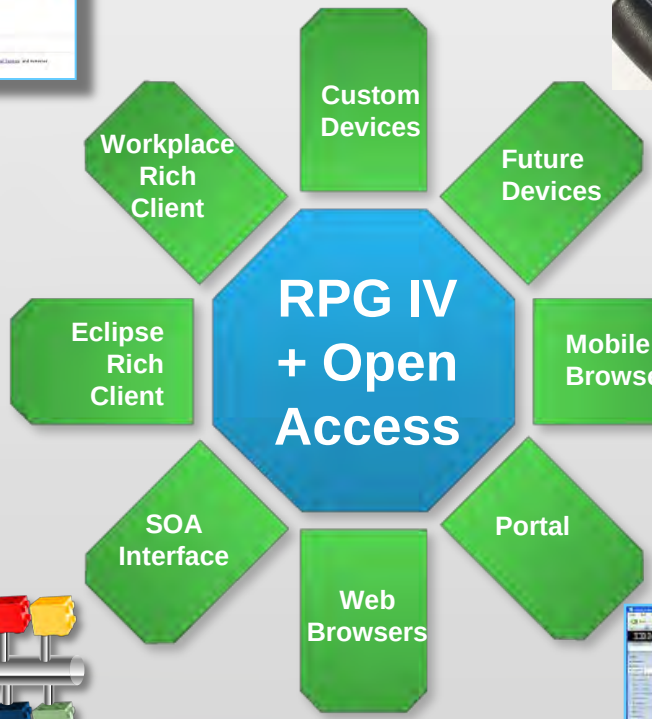
RPG

lookserver for Open Access

RPG OA

Rational Open Access: RPG Edition

- Extend RPG to reach to new interfaces



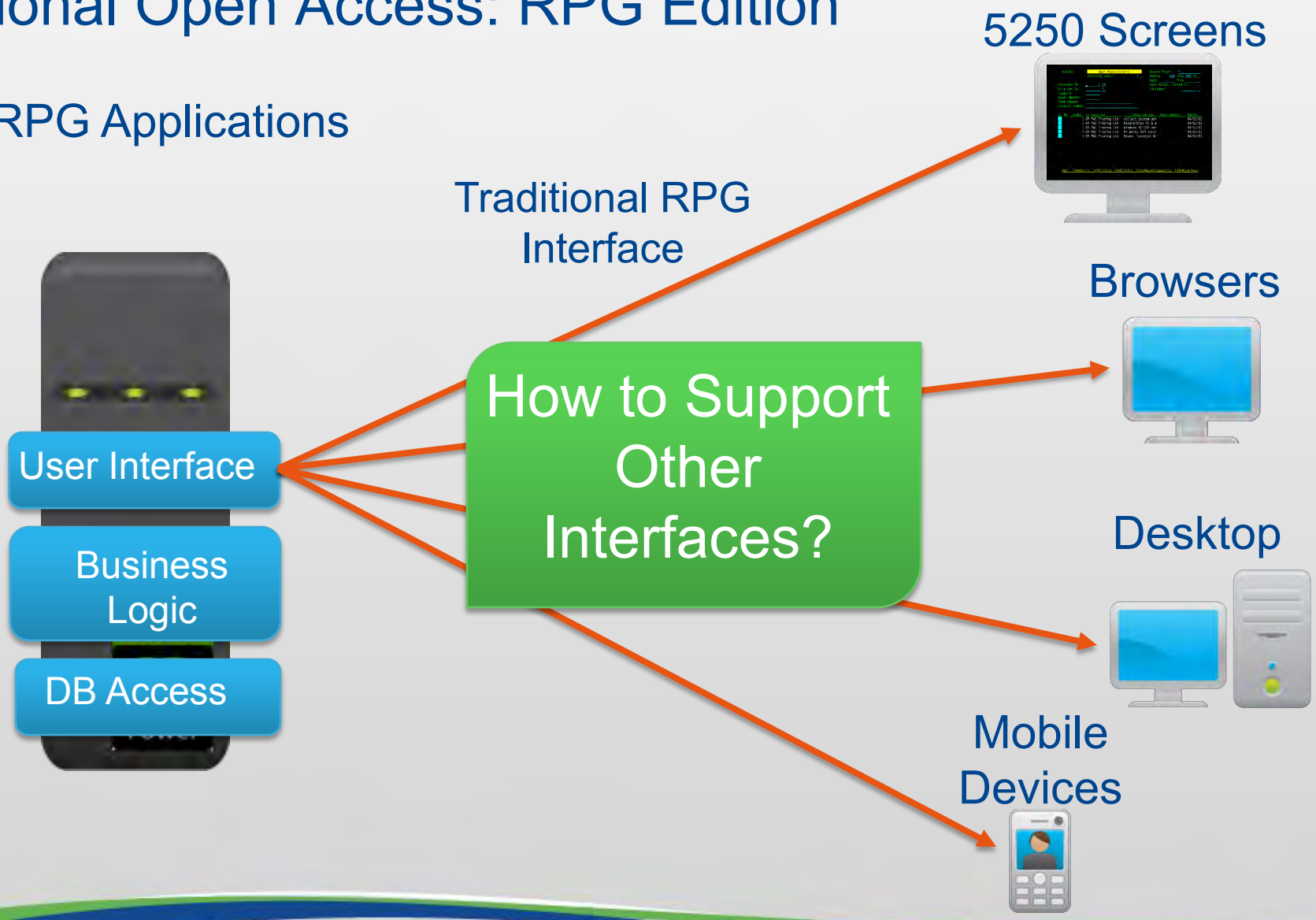
Rational Open Access: RPG Edition

5250 Screens

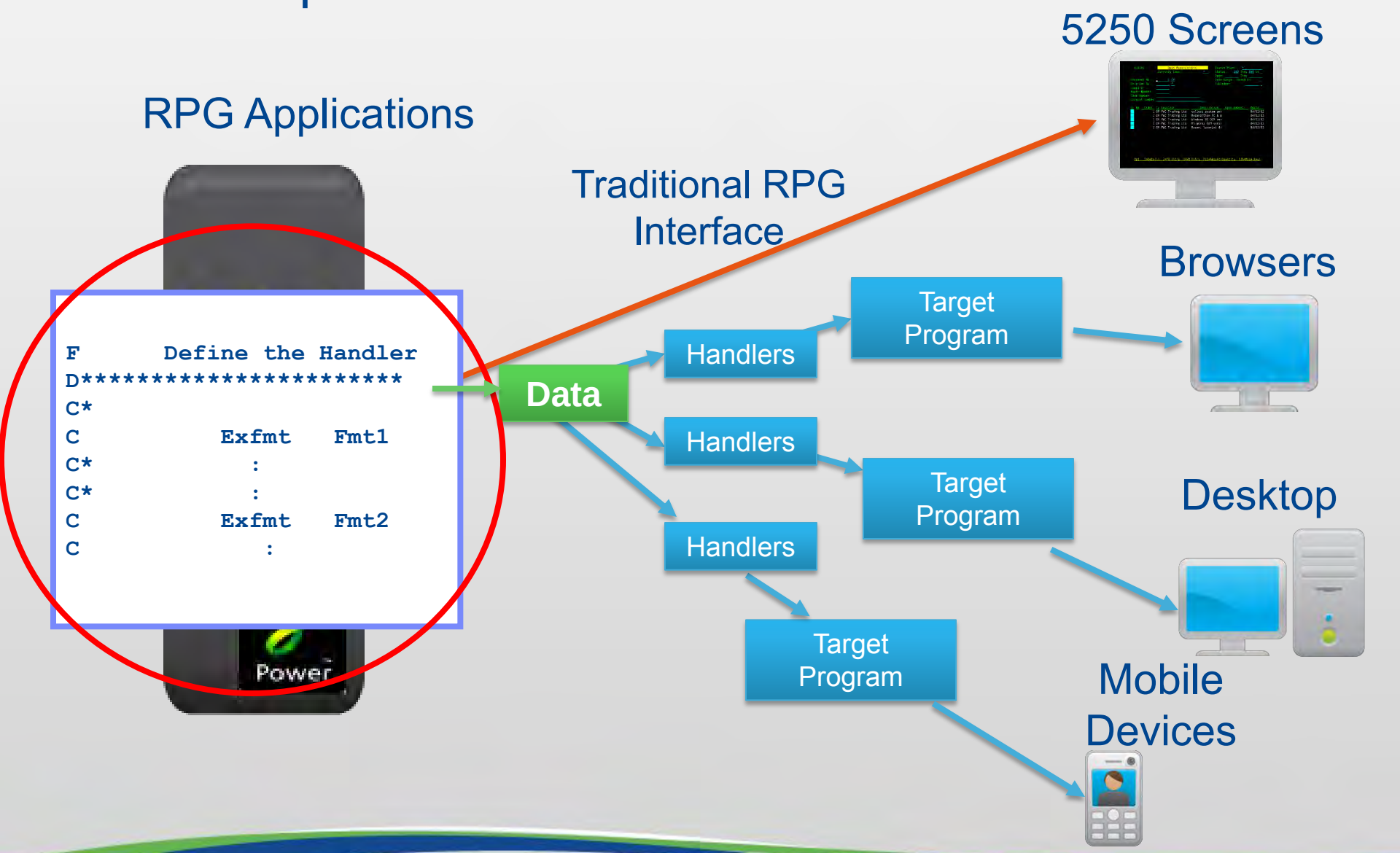
RPG Applications

Traditional RPG Interface

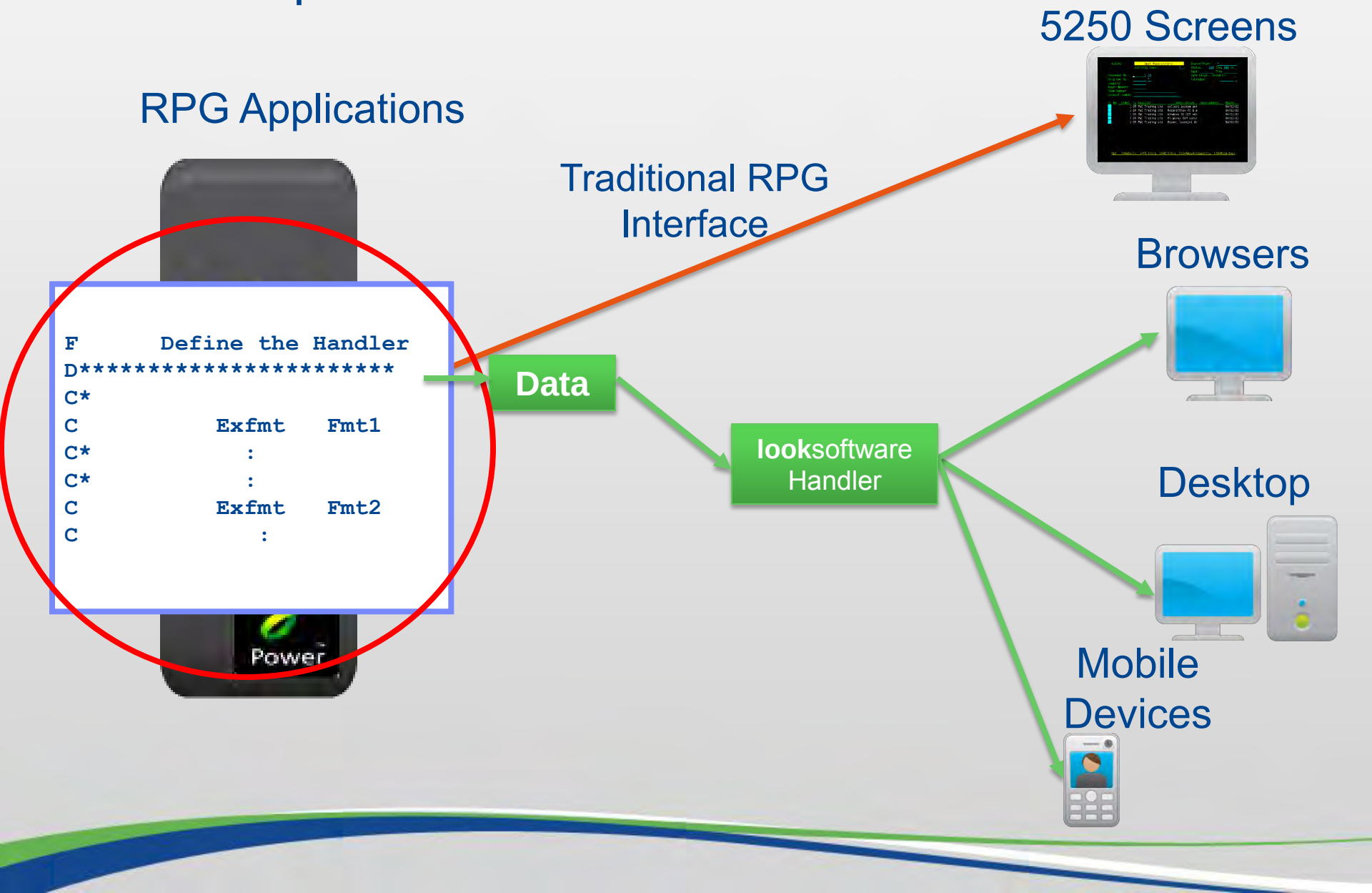
Rational Open Access: RPG Edition



Rational Open Access: RPG Edition



Rational Open Access: RPG Edition



5250 Modernization

- 5250 datastream
- Any extra data gathered by manual DDM / RPC or web service calls to get around the 5250

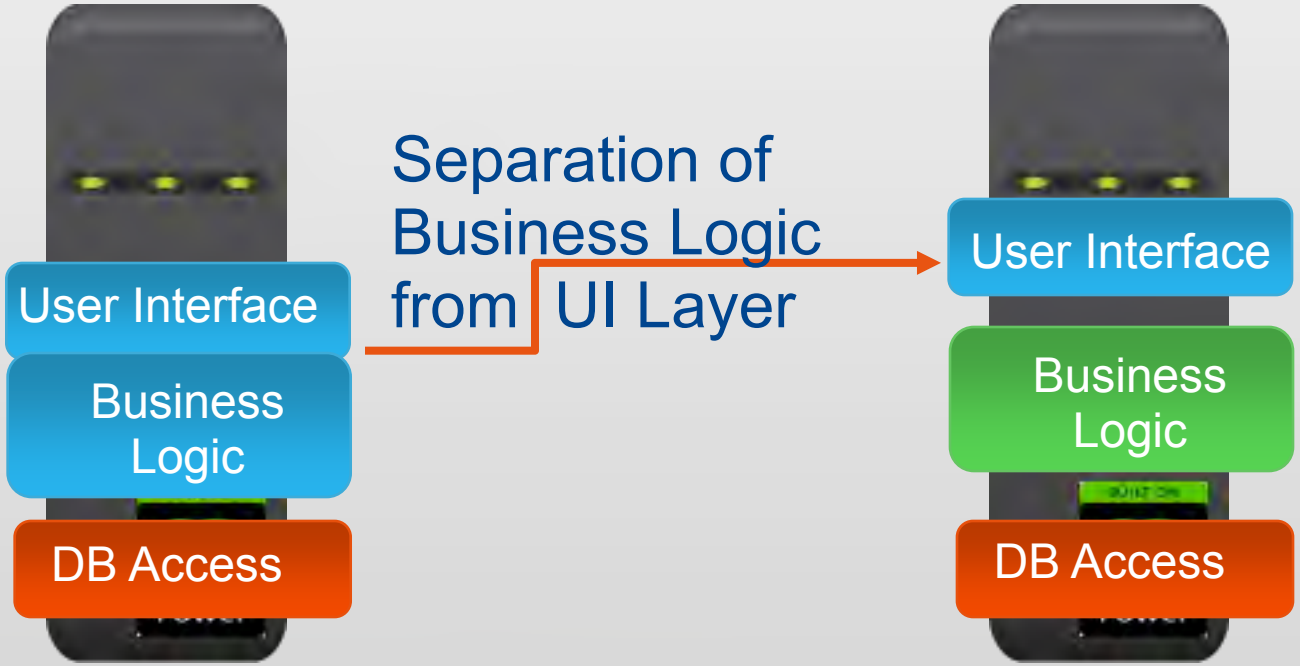
RPG OA Modernization

- Full Display file
- Memory
- Entire Subfile
- All function Keys
- All List items
- Can still be further augmented by DDM / RPC / WS

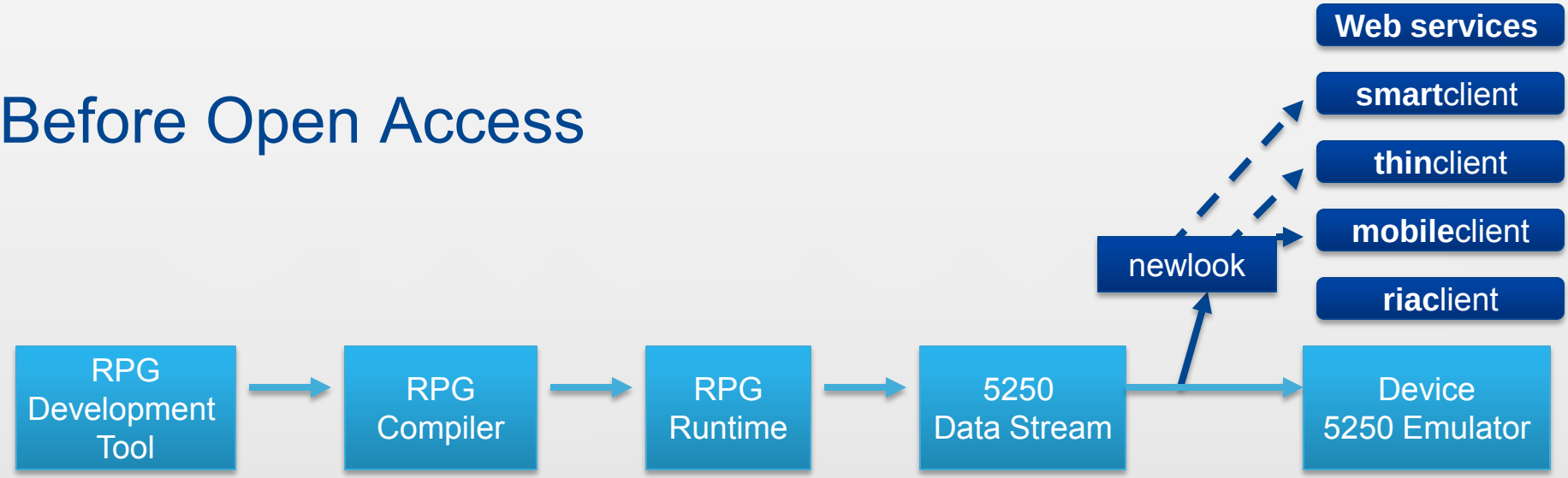
True Multi Tier Architecture

5250 RPG Applications

RPG OA Applications

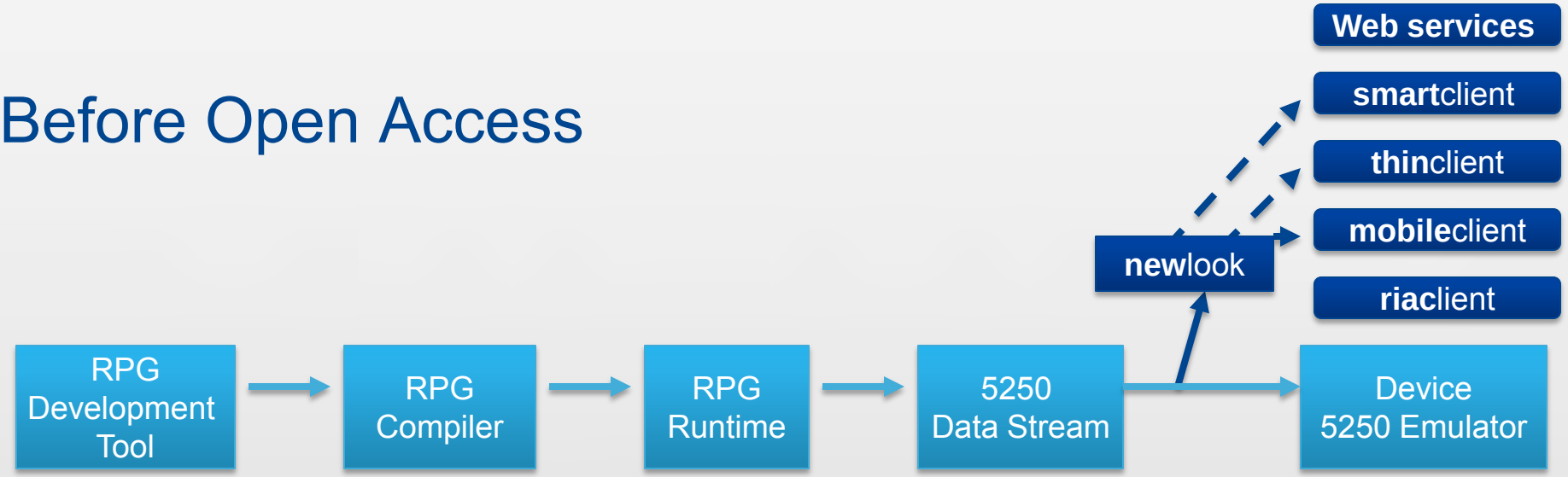


Before Open Access

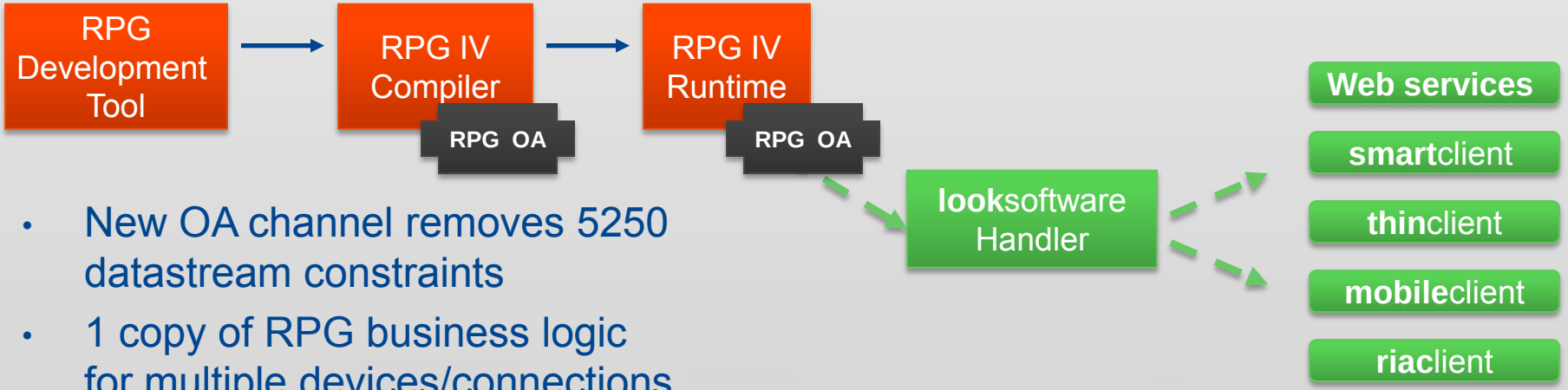


- 5250 datastream constraints
  - 24 rows X 80 columns
  - No rich data types
    - Images etc..
- New requirements
  - Write new RPG and 5250 and reface?
- Modern architecture needed to support emerging technologies/devices

Before Open Access

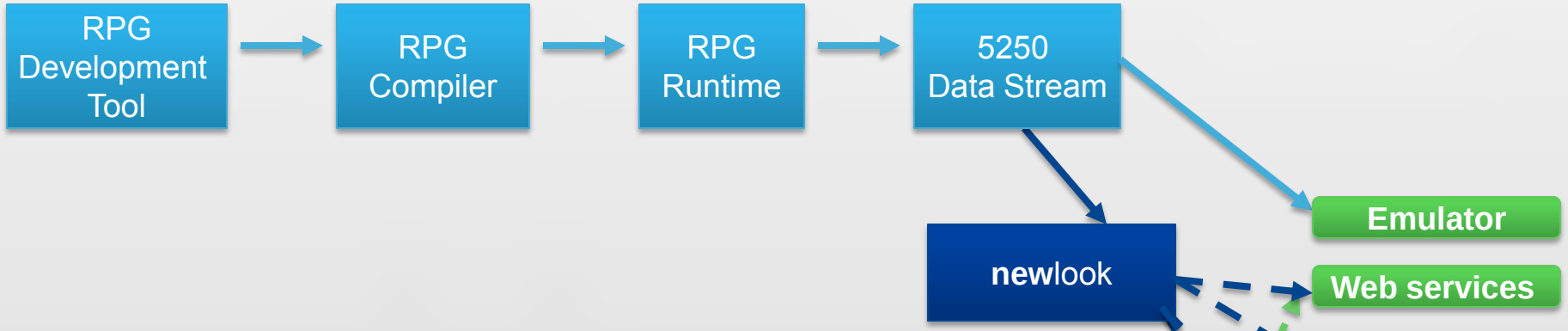


The native Open Access channel



- New OA channel removes 5250 datastream constraints
- 1 copy of RPG business logic for multiple devices/connections
- Simple, clean architecture

Before Open Access



The native Open Access channel

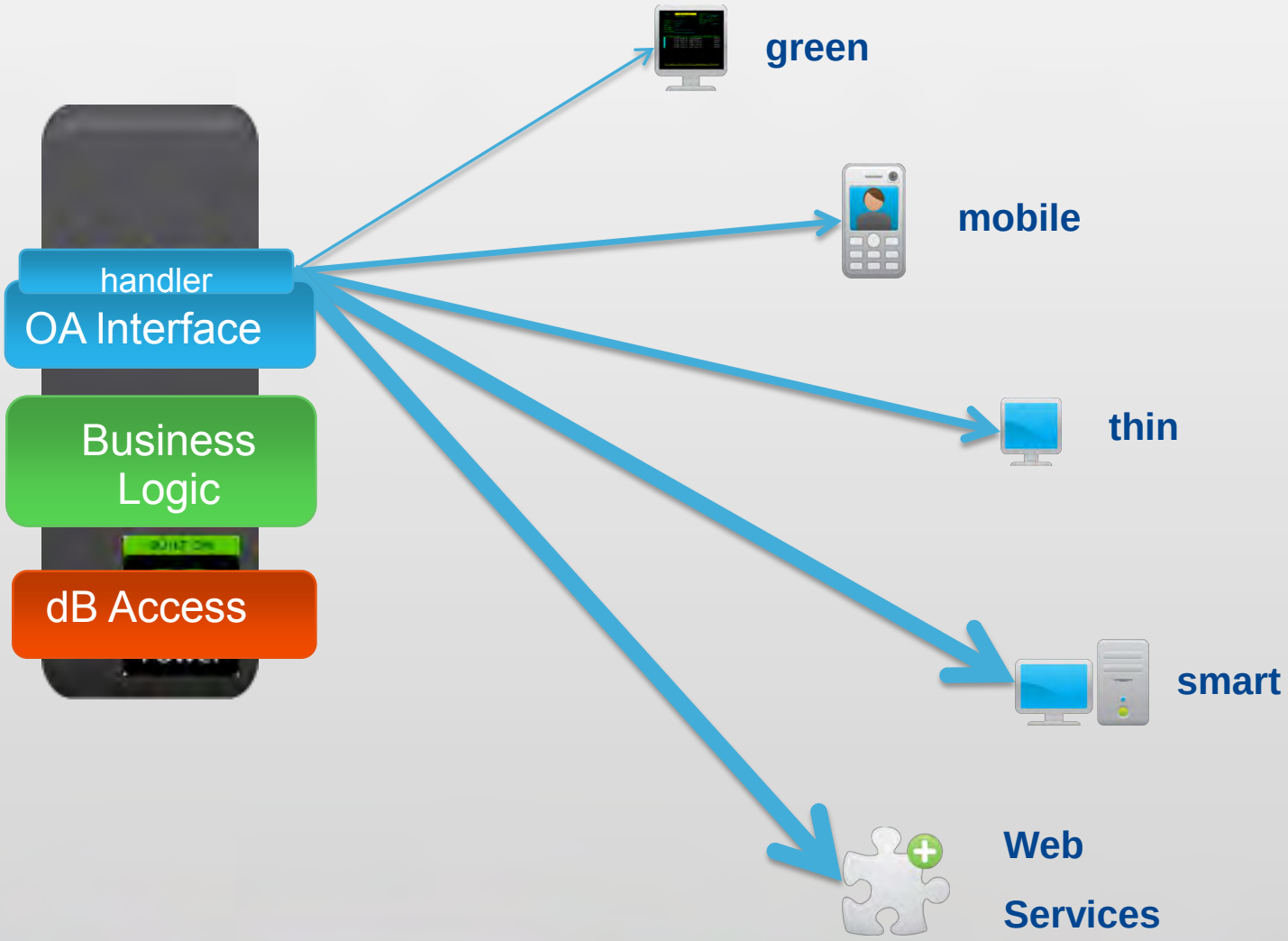
Why is RPGOA big news?

- Native RPG support for new devices and tomorrow's technologies
- Removes the 5250 constraints
- Existing RPG can become multi-tier

Why is RPGOA big news?

- Effective long term path forward for RPG
- IBM's recommended path forward
- Handler architecture is open
  - Not tied to specific technology or vendor
- Easy to implement
  - Code business logic in RPG
  - leverage handler for plumbing

ROA natively supports multi-channel



Demo

5250 screens

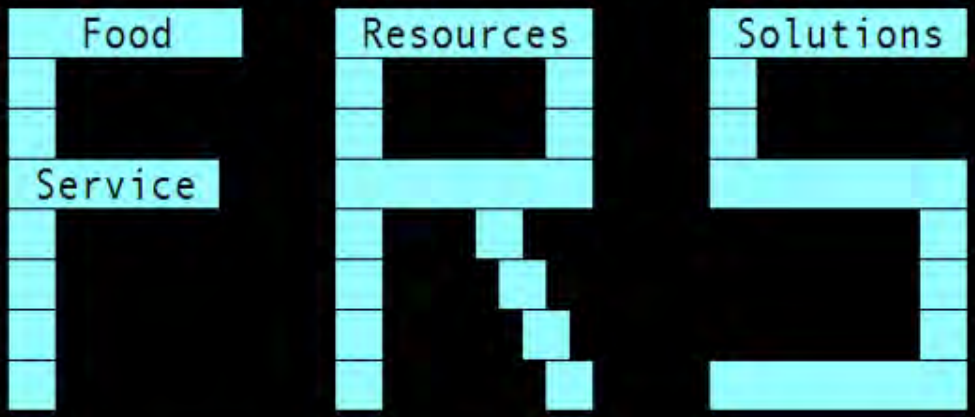
1 - Screen0001.nl - newlook

File Session Edit View Macros Tools Keyboard Window Help

Sign On

System . . . . . : S104730F
Subsystem . . . . . : QINTER
Display . . . . . : QQF0D96E62

User . . . . . _
Password . . . . . .
Program/procedure . . . . . .
Menu . . . . . .
Current library . . . . . .

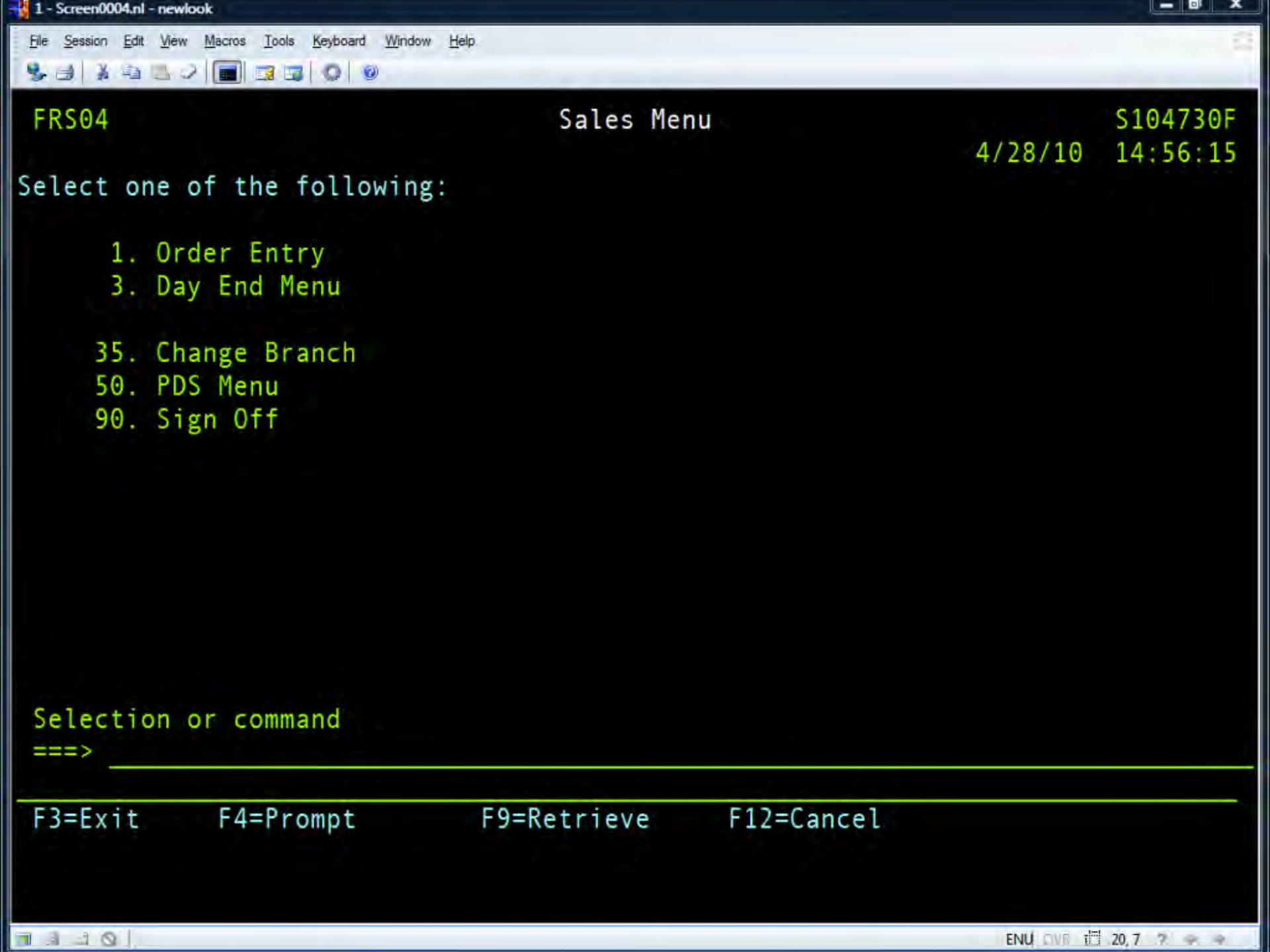


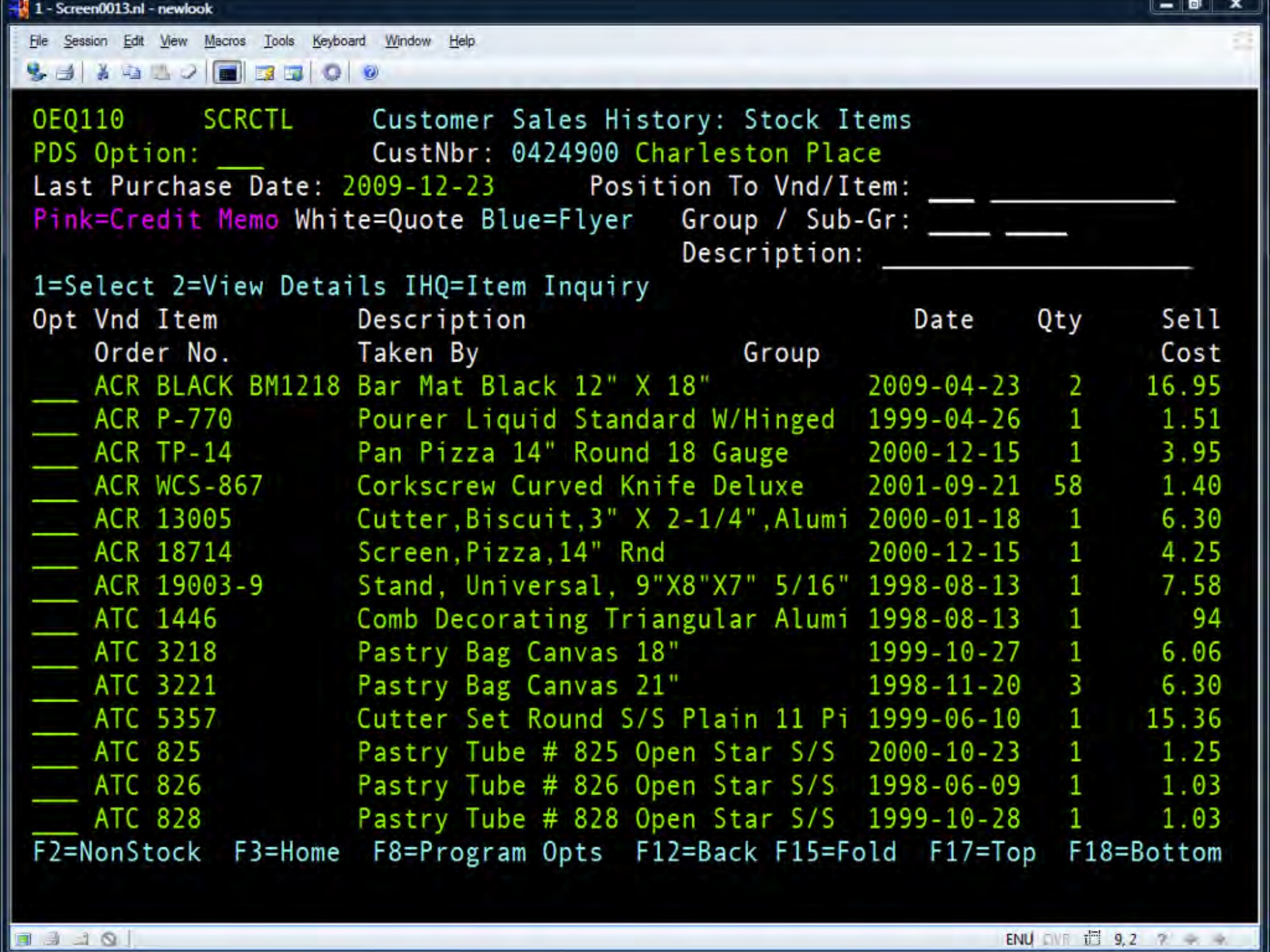
INFORMATION SYSTEM

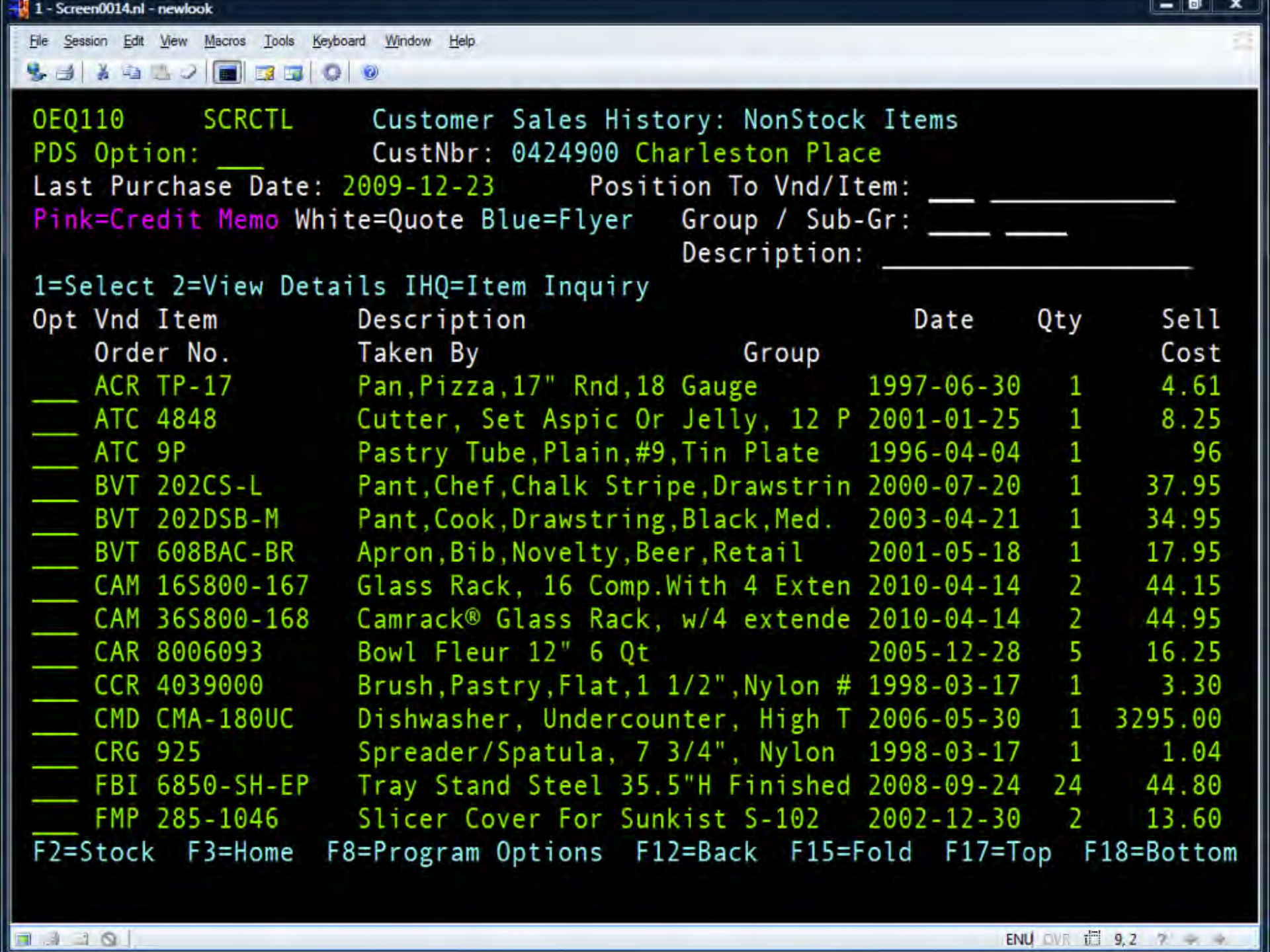
(C) COPYRIGHT IBM CORP. 1980, 2007.

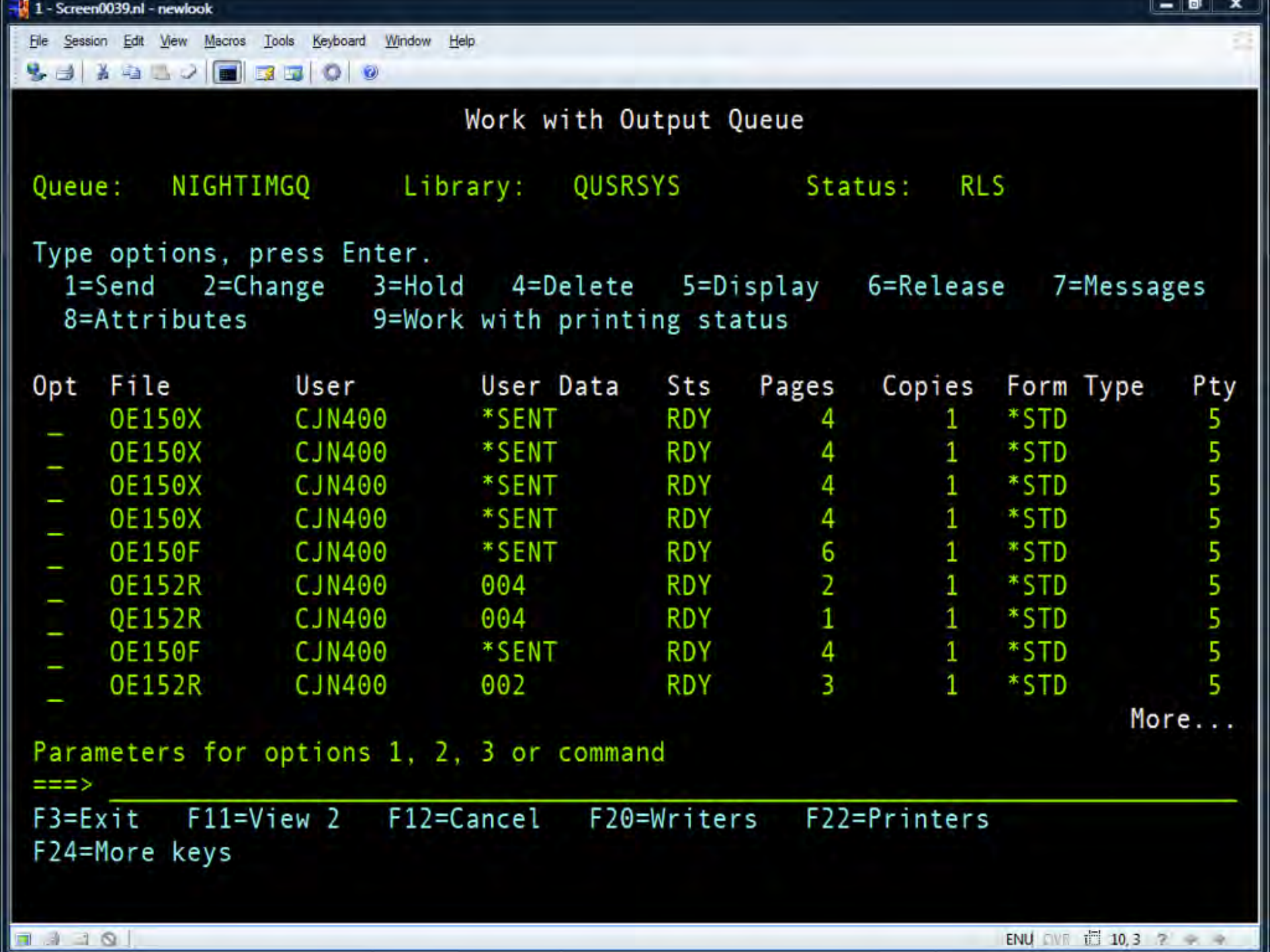
ENU OVR 6,53

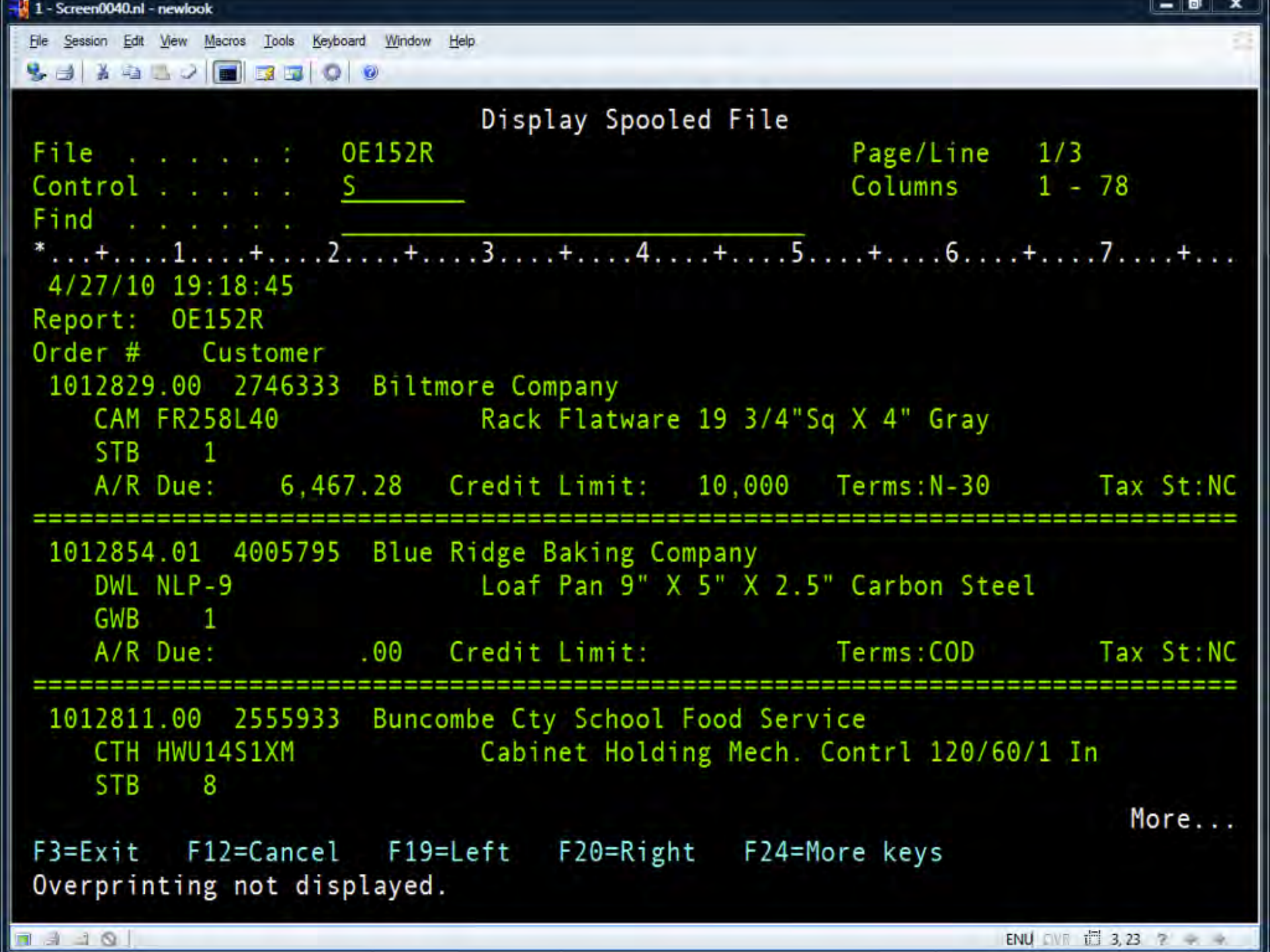
1 - Screen0003.nl - newlook
File Session Edit View Macros Tools Keyboard Window Help
FRS01 FRS Information System S104730F
4/28/10 14:56:12
Select one of the following:
1. Sales Menu
2. Inventory Menu
3. Warehouse Menu
4. Accounts Receivable Menu
5. Accounts Payable Menu
6. General Ledger Menu
7. Dishwasher Rental Billing Menu
8. Drop Shipment Billing Menu
10. Programming Menu
11. Tape Management Menu
30. Time Clock
31. Payroll
32. Time and Attendance
35. Change Branch
37. Email T/A
40. Command Line
50. PDS Menu
90. Sign Off
Selection or command
===>
F4=Prompt F9=Retrieve
ENU 20, 7


1 - Screen0004.nl - newlook
File Session Edit View Macros Tools Keyboard Window Help
FRS04 Sales Menu S104730F
4/28/10 14:56:15
Select one of the following:
1. Order Entry
3. Day End Menu
35. Change Branch
50. PDS Menu
90. Sign Off
Selection or command
===>
F3=Exit F4=Prompt F9=Retrieve F12=Cancel
ENU OVR 20, 7


1 - Screen0013.nl - newlook
File Session Edit View Macros Tools Keyboard Window Help
OEQ110 SCRCTL Customer Sales History: Stock Items
PDS Option: ___ CustNbr: 0424900 Charleston Place
Last Purchase Date: 2009-12-23 Position To Vnd/Item: ___ _____
Pink=Credit Memo White=Quote Blue=Flyer Group / Sub-Gr: ___ ___
Description: _____
1=Select 2=View Details IHQ=Item Inquiry
Opt Vnd Item Description Date Qty Sell
Order No. Taken By Group Cost
___ ACR BLACK BM1218 Bar Mat Black 12" X 18" 2009-04-23 2 16.95
___ ACR P-770 Pourer Liquid Standard W/Hinged 1999-04-26 1 1.51
___ ACR TP-14 Pan Pizza 14" Round 18 Gauge 2000-12-15 1 3.95
___ ACR WCS-867 Corkscrew Curved Knife Deluxe 2001-09-21 58 1.40
___ ACR 13005 Cutter,Biscuit,3" X 2-1/4",Alumi 2000-01-18 1 6.30
___ ACR 18714 Screen,Pizza,14" Rnd 2000-12-15 1 4.25
___ ACR 19003-9 Stand, Universal, 9"X8"X7" 5/16" 1998-08-13 1 7.58
___ ATC 1446 Comb Decorating Triangular Alumi 1998-08-13 1 94
___ ATC 3218 Pastry Bag Canvas 18" 1999-10-27 1 6.06
___ ATC 3221 Pastry Bag Canvas 21" 1998-11-20 3 6.30
___ ATC 5357 Cutter Set Round S/S Plain 11 Pi 1999-06-10 1 15.36
___ ATC 825 Pastry Tube # 825 Open Star S/S 2000-10-23 1 1.25
___ ATC 826 Pastry Tube # 826 Open Star S/S 1998-06-09 1 1.03
___ ATC 828 Pastry Tube # 828 Open Star S/S 1999-10-28 1 1.03
F2=NonStock F3=Home F8=Program Opts F12=Back F15=Fold F17=Top F18=Bottom
ENU 9,2


1 - Screen0014.nl - newlook
File Session Edit View Macros Tools Keyboard Window Help
OEQ110 SCRCTL Customer Sales History: NonStock Items
PDS Option: ___ CustNbr: 0424900 Charleston Place
Last Purchase Date: 2009-12-23 Position To Vnd/Item: ___ _____
Pink=Credit Memo White=Quote Blue=Flyer Group / Sub-Gr: ___ ___
Description: _____
1=Select 2=View Details IHQ=Item Inquiry
Opt Vnd Item Description Date Qty Sell
Order No. Taken By Group Cost
___ ACR TP-17 Pan,Pizza,17" Rnd,18 Gauge 1997-06-30 1 4.61
___ ATC 4848 Cutter, Set Aspic Or Jelly, 12 P 2001-01-25 1 8.25
___ ATC 9P Pastry Tube,Plain,#9,Tin Plate 1996-04-04 1 96
___ BVT 202CS-L Pant,Chef,Chalk Stripe,Drawstrin 2000-07-20 1 37.95
___ BVT 202DSB-M Pant,Cook,Drawstring,Black,Med. 2003-04-21 1 34.95
___ BVT 608BAC-BR Apron,Bib,Novelty,Beer,Retail 2001-05-18 1 17.95
___ CAM 16S800-167 Glass Rack, 16 Comp.With 4 Exten 2010-04-14 2 44.15
___ CAM 36S800-168 Camrack® Glass Rack, w/4 extende 2010-04-14 2 44.95
___ CAR 8006093 Bowl Fleur 12" 6 Qt 2005-12-28 5 16.25
___ CCR 4039000 Brush,Pastry,Flat,1 1/2",Nylon # 1998-03-17 1 3.30
___ CMD CMA-180UC Dishwasher, Undercounter, High T 2006-05-30 1 3295.00
___ CRG 925 Spreader/Spatula, 7 3/4", Nylon 1998-03-17 1 1.04
___ FBI 6850-SH-EP Tray Stand Steel 35.5"H Finished 2008-09-24 24 44.80
___ FMP 285-1046 Slicer Cover For Sunkist S-102 2002-12-30 2 13.60
F2=Stock F3=Home F8=Program Options F12=Back F15=Fold F17=Top F18=Bottom
ENU OVR 9,2


1 - Screen0039.nl - newlook
File Session Edit View Macros Tools Keyboard Window Help
Work with Output Queue
Queue: NIGHTIMGQ Library: QUSRSYS Status: RLS
Type options, press Enter.
1=Send 2=Change 3=Hold 4=Delete 5=Display 6=Release 7=Messages
8=Attributes 9=Work with printing status
Opt File User User Data Sts Pages Copies Form Type Pty
_ OE150X CJN400 *SENT RDY 4 1 *STD 5
_ OE150X CJN400 *SENT RDY 4 1 *STD 5
_ OE150X CJN400 *SENT RDY 4 1 *STD 5
_ OE150X CJN400 *SENT RDY 4 1 *STD 5
_ OE150F CJN400 *SENT RDY 6 1 *STD 5
_ OE152R CJN400 004 RDY 2 1 *STD 5
_ QE152R CJN400 004 RDY 1 1 *STD 5
_ OE150F CJN400 *SENT RDY 4 1 *STD 5
_ OE152R CJN400 002 RDY 3 1 *STD 5
More...
Parameters for options 1, 2, 3 or command
===>
F3=Exit F11=View 2 F12=Cancel F20=Writers F22=Printers
F24=More keys
ENU 10,3


1 - Screen0040.nl - newlook
File Session Edit View Macros Tools Keyboard Window Help
Display Spooled File
File . . . . . : OE152R
Page/Line 1/3
Control . . . . . S
Columns 1 - 78
Find . . . . . .
*...+....1....+....2....+....3....+....4....+....5....+....6....+....7....+...
4/27/10 19:18:45
Report: OE152R
Order # Customer
1012829.00 2746333 Biltmore Company
CAM FR258L40 Rack Flatware 19 3/4"Sq X 4" Gray
STB 1
A/R Due: 6,467.28 Credit Limit: 10,000 Terms:N-30 Tax St:NC
1012854.01 4005795 Blue Ridge Baking Company
DWL NLP-9 Loaf Pan 9" X 5" X 2.5" Carbon Steel
GWB 1
A/R Due: .00 Credit Limit: Terms:COD Tax St:NC
1012811.00 2555933 Buncombe Cty School Food Service
CTH HWU14S1XM Cabinet Holding Mech. Contrl 120/60/1 In
STB 8
More...
F3=Exit F12=Cancel F19=Left F20=Right F24=More keys
Overprinting not displayed.
ENU 3,23

26 - 30 April Hilton Hotel
Orlando Conference 2010
looksoftware
The Path Forward

1 for 1 ROA

Sign On - Windows Internet Explorer

file:///C:/Program%20Files/looksoftware%209.0/@RPGOA2/smartframe/SmartFrame.htm?skin=skin

looksoftware RPG Open Access Demo

Sign On

User

Password

OK

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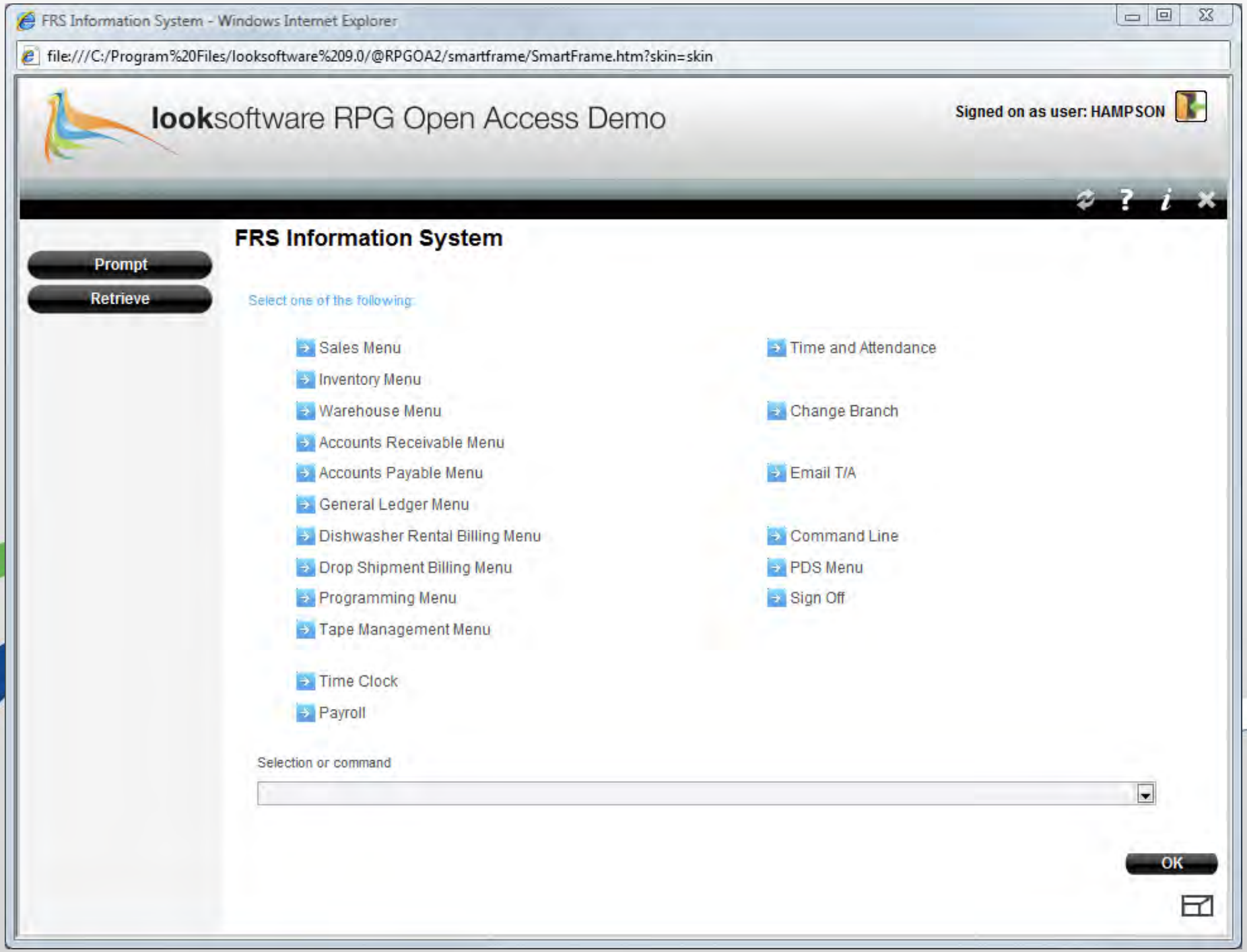
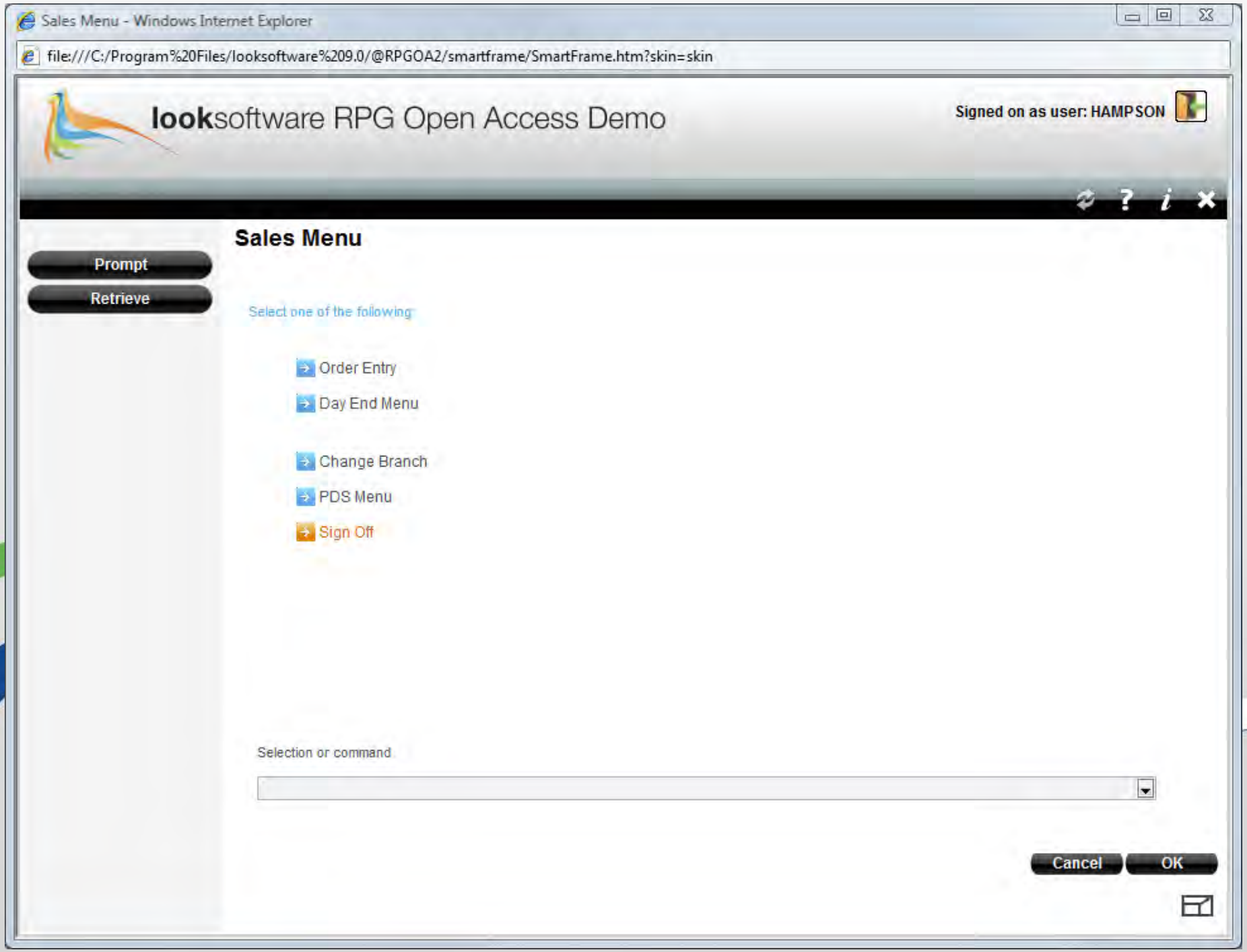
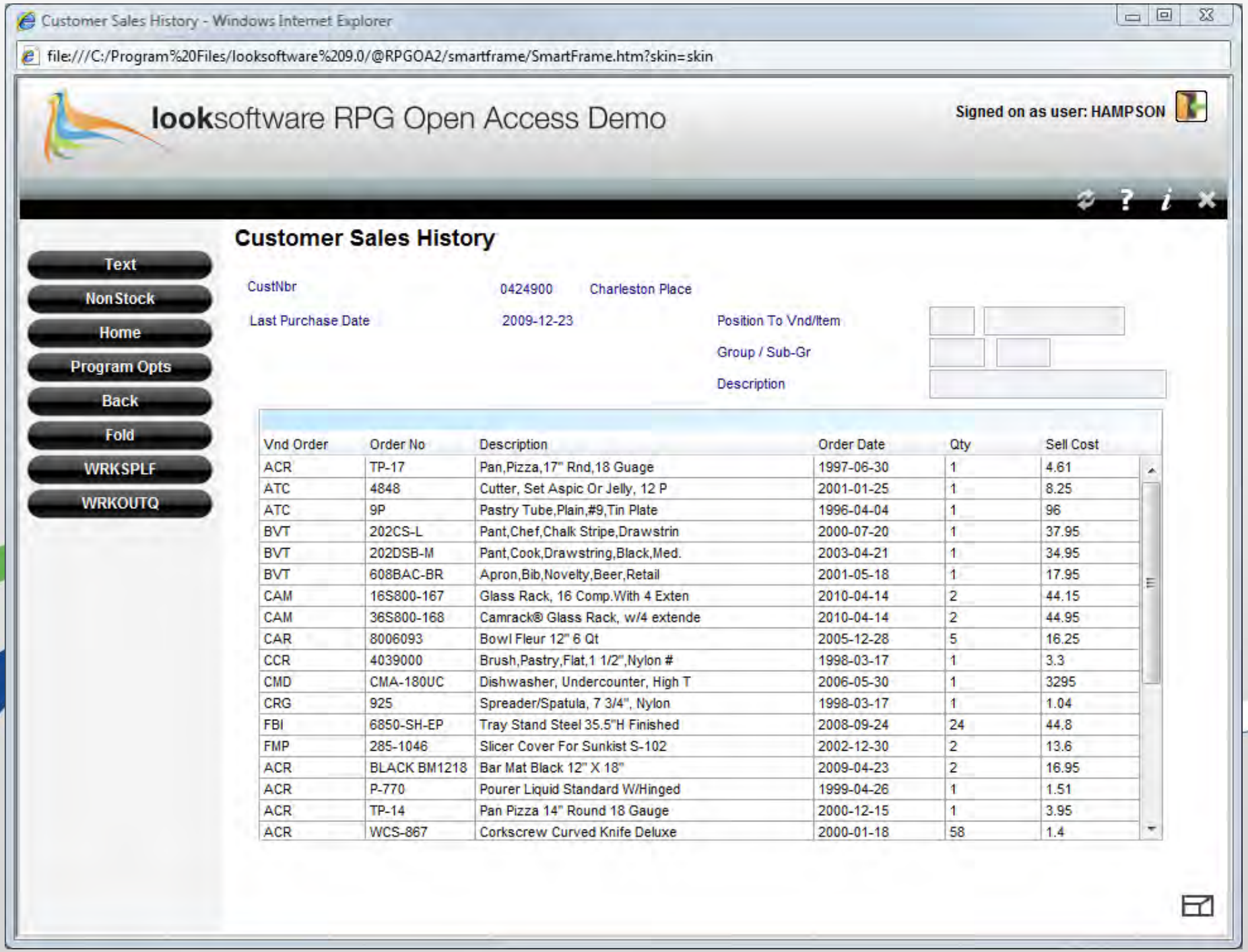
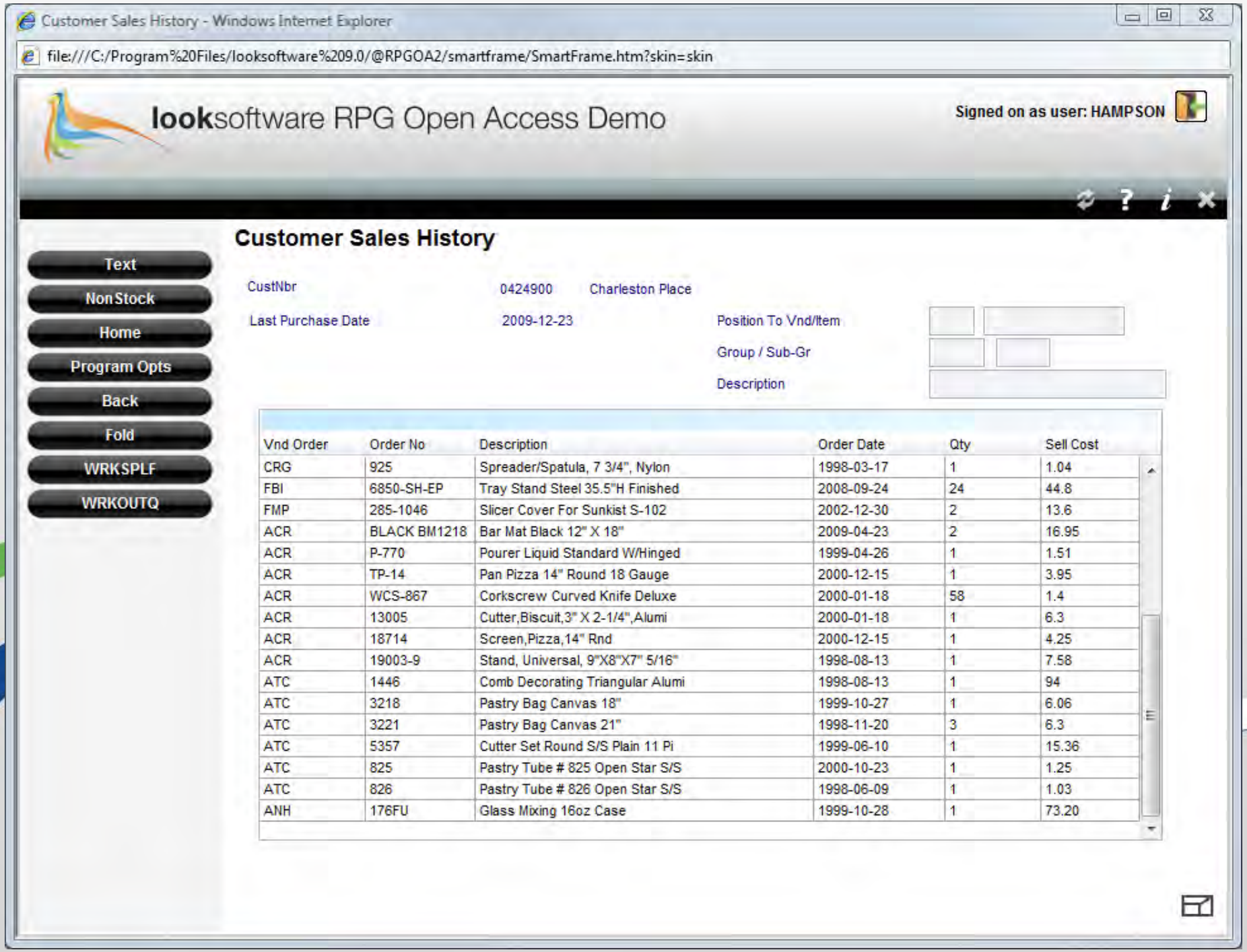
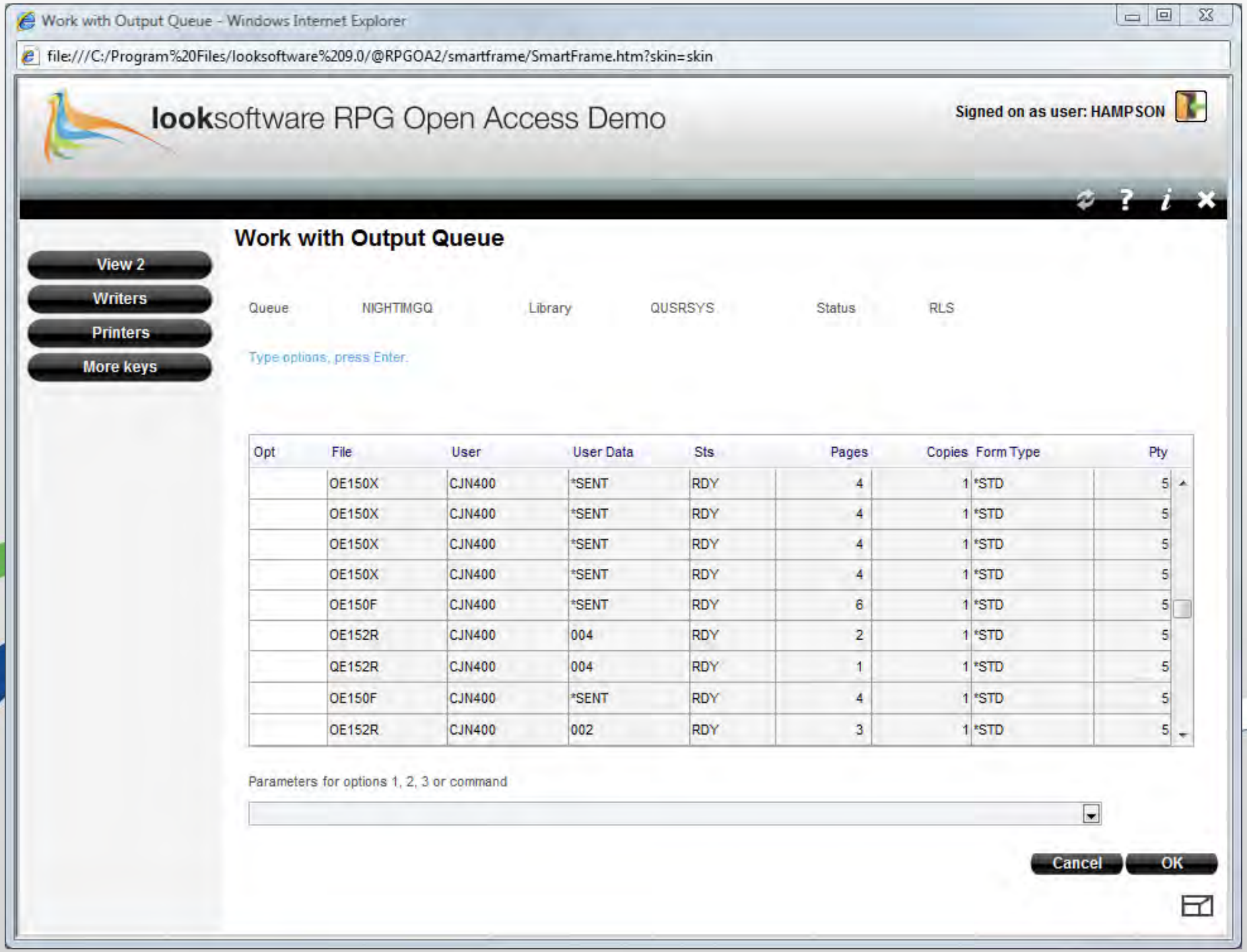
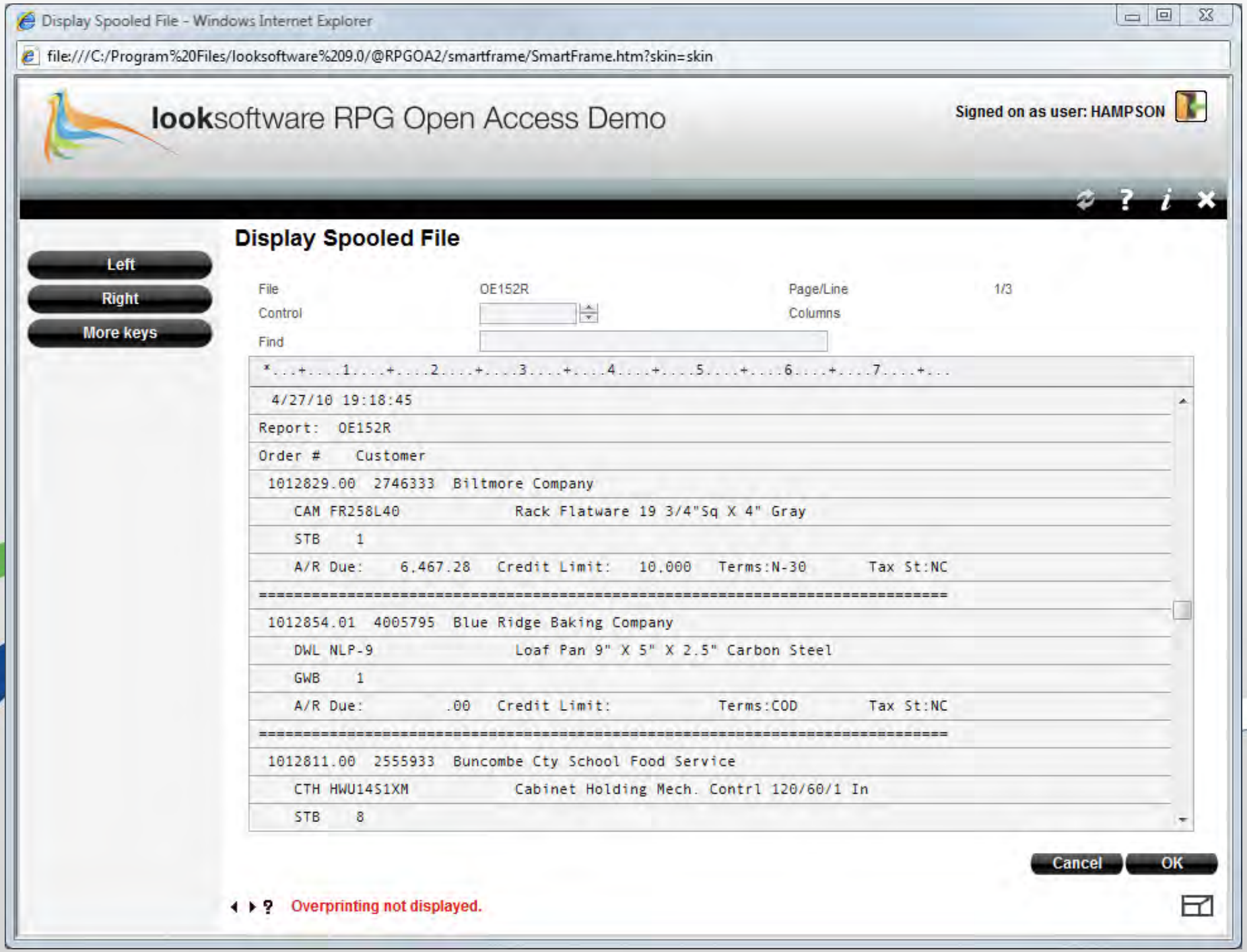

FRS Information System - Windows Internet Explorer
file:///C:/Program%20Files/looksoftware%209.0/@RPGOA2/smartframe/SmartFrame.htm?skin=skin
looksoftware RPG Open Access Demo
Signed on as user: HAMPSON
FRS Information System
Prompt
Retrieve
Select one of the following:
Sales Menu
Inventory Menu
Warehouse Menu
Accounts Receivable Menu
Accounts Payable Menu
General Ledger Menu
Dishwasher Rental Billing Menu
Drop Shipment Billing Menu
Programming Menu
Tape Management Menu
Time Clock
Payroll
Time and Attendance
Change Branch
Email T/A
Command Line
PDS Menu
Sign Off
Selection or command
OK


Sales Menu - Windows Internet Explorer
file:///C:/Program%20Files/looksoftware%209.0/@RPGOA2/smartframe/SmartFrame.htm?skin=skin
looksoftware RPG Open Access Demo
Signed on as user: HAMPSON
Sales Menu
Prompt
Retrieve
Select one of the following:
Order Entry
Day End Menu
Change Branch
PDS Menu
Sign Off
Selection or command
Cancel
OK


Customer Sales History - Windows Internet Explorer
file:///C:/Program%20Files/looksoftware%209.0/@RPGOA2/smartframe/SmartFrame.htm?skin=skin
looksoftware RPG Open Access Demo
Signed on as user: HAMPSON
Customer Sales History
Text
Non Stock
Home
Program Opts
Back
Fold
WRKSPLF
WRKOUTQ
CustNbr
0424900
Charleston Place
Last Purchase Date
2009-12-23
Position To Vnd/Item
Group / Sub-Gr
Description
Vnd Order
Order No
Description
Order Date
Qty
Sell Cost
ACR TP-17 Pan,Pizza,17" Rnd,18 Guage 1997-06-30 1 4.61
ATC 4848 Cutter, Set Aspic Or Jelly, 12 P 2001-01-25 1 8.25
ATC 9P Pastry Tube,Plain,#9,Tin Plate 1996-04-04 1 96
BVT 202CS-L Pant,Chef,Chalk Stripe,Drawstrin 2000-07-20 1 37.95
BVT 202DSB-M Pant,Cook,Drawstring,Black,Med. 2003-04-21 1 34.95
BVT 608BAC-BR Apron,Bib,Novelty,Beer,Retail 2001-05-18 1 17.95
CAM 16S800-167 Glass Rack, 16 Comp.With 4 Exten 2010-04-14 2 44.15
CAM 36S800-168 Camrack® Glass Rack, w/4 extende 2010-04-14 2 44.95
CAR 8006093 Bowl Fleur 12" 6 Qt 2005-12-28 5 16.25
CCR 4039000 Brush,Pastry,Flat,1 1/2",Nylon # 1998-03-17 1 3.3
CMD CMA-180UC Dishwasher, Undercounter, High T 2006-05-30 1 3295
CRG 925 Spreader/Spatula, 7 3/4", Nylon 1998-03-17 1 1.04
FBI 6850-SH-EP Tray Stand Steel 35.5"H Finished 2008-09-24 24 44.8
FMP 285-1046 Slicer Cover For Sunkist S-102 2002-12-30 2 13.6
ACR BLACK BM1218 Bar Mat Black 12" X 18" 2009-04-23 2 16.95
ACR P-770 Pourer Liquid Standard W/Hinged 1999-04-26 1 1.51
ACR TP-14 Pan Pizza 14" Round 18 Gauge 2000-12-15 1 3.95
ACR WCS-867 Corkscrew Curved Knife Deluxe 2000-01-18 58 1.4

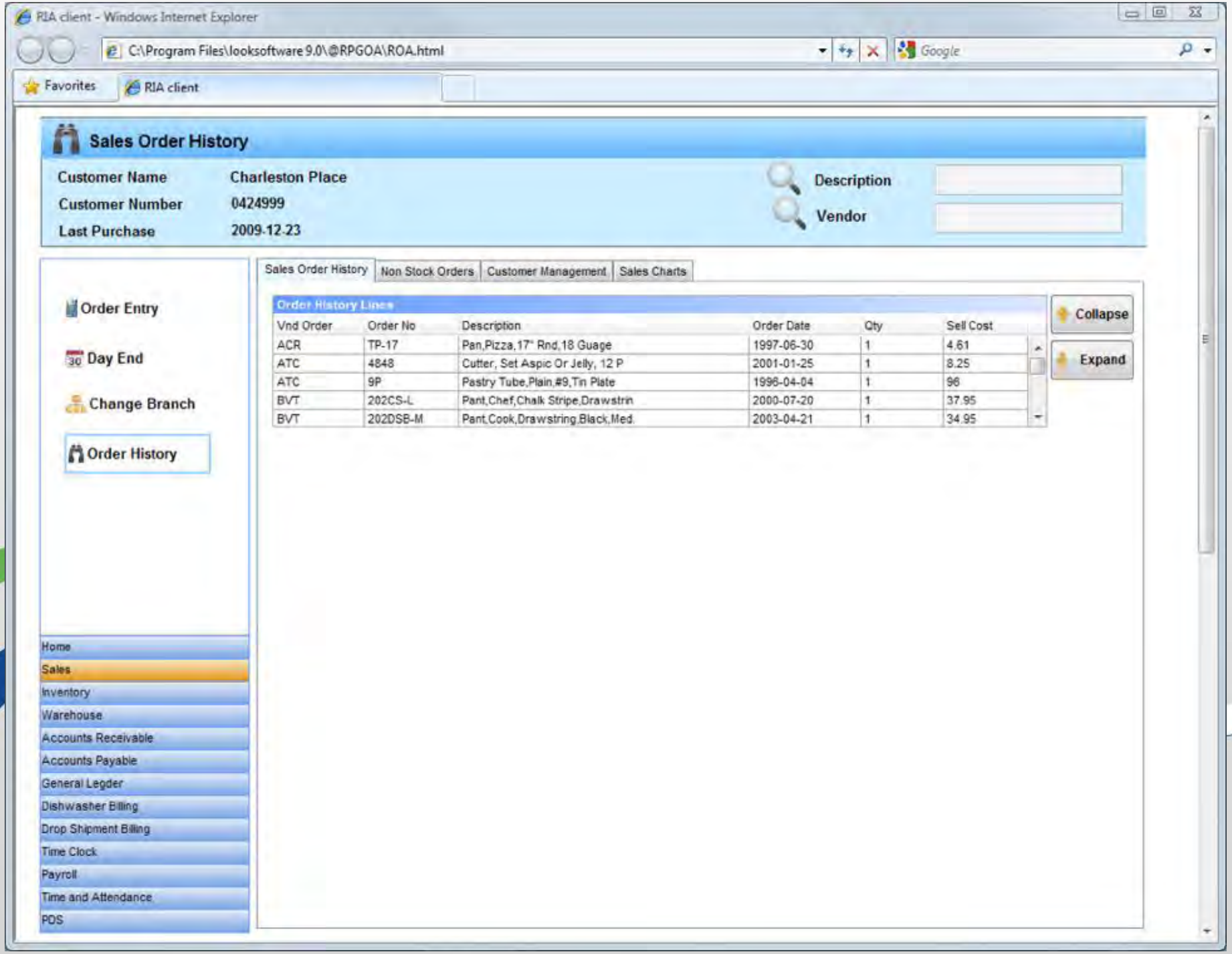

Customer Sales History - Windows Internet Explorer
file:///C:/Program%20Files/looksoftware%209.0/@RPGOA2/smartframe/SmartFrame.htm?skin=skin
looksoftware RPG Open Access Demo
Signed on as user: HAMPSON
Customer Sales History
Text
Non Stock
Home
Program Opts
Back
Fold
WRKSPLF
WRKOUTQ
CustNbr
0424900
Charleston Place
Last Purchase Date
2009-12-23
Position To Vnd/Item
Group / Sub-Gr
Description
Vnd Order | Order No | Description | Order Date | Qty | Sell Cost
CRG | 925 | Spreader/Spatula, 7 3/4", Nylon | 1998-03-17 | 1 | 1.04
FBI | 6850-SH-EP | Tray Stand Steel 35.5"H Finished | 2008-09-24 | 24 | 44.8
FMP | 285-1046 | Slicer Cover For Sunkist S-102 | 2002-12-30 | 2 | 13.6
ACR | BLACK BM1218 | Bar Mat Black 12" X 18" | 2009-04-23 | 2 | 16.95
ACR | P-770 | Pourer Liquid Standard W/Hinged | 1999-04-26 | 1 | 1.51
ACR | TP-14 | Pan Pizza 14" Round 18 Gauge | 2000-12-15 | 1 | 3.95
ACR | WCS-867 | Corkscrew Curved Knife Deluxe | 2000-01-18 | 58 | 1.4
ACR | 13005 | Cutter,Biscuit,3" X 2-1/4",Alumi | 2000-01-18 | 1 | 6.3
ACR | 18714 | Screen,Pizza,14" Rnd | 2000-12-15 | 1 | 4.25
ACR | 19003-9 | Stand, Universal, 9"X8"X7" 5/16" | 1998-08-13 | 1 | 7.58
ATC | 1446 | Comb Decorating Triangular Alumi | 1998-08-13 | 1 | 94
ATC | 3218 | Pastry Bag Canvas 18" | 1999-10-27 | 1 | 6.06
ATC | 3221 | Pastry Bag Canvas 21" | 1998-11-20 | 3 | 6.3
ATC | 5357 | Cutter Set Round S/S Plain 11 Pi | 1999-06-10 | 1 | 15.36
ATC | 825 | Pastry Tube # 825 Open Star S/S | 2000-10-23 | 1 | 1.25
ATC | 826 | Pastry Tube # 826 Open Star S/S | 1998-06-09 | 1 | 1.03
ANH | 176FU | Glass Mixing 16oz Case | 1999-10-28 | 1 | 73.20

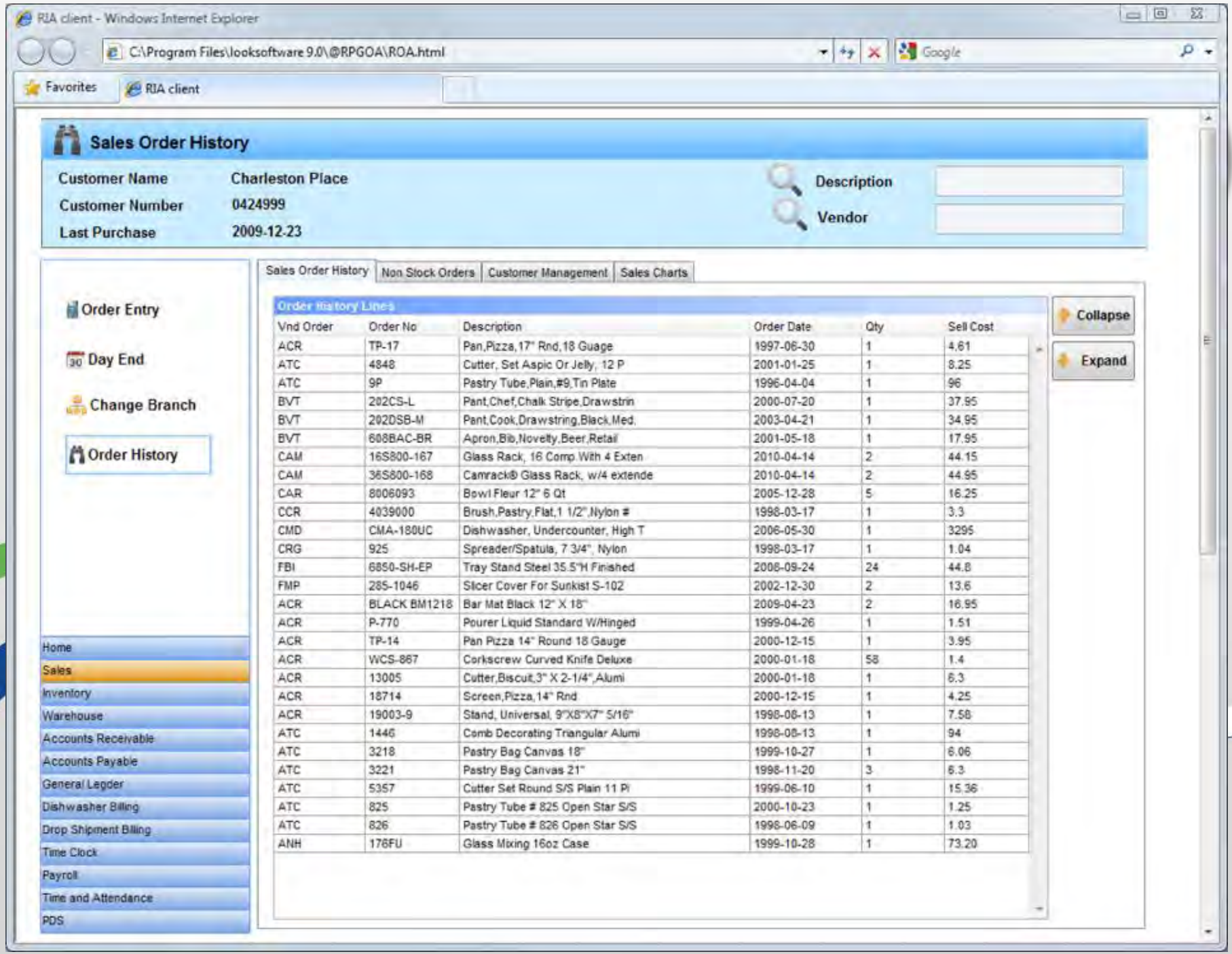

Work with Output Queue - Windows Internet Explorer
file:///C:/Program%20Files/looksoftware%209.0/@RPGOA2/smartframe/SmartFrame.htm?skin=skin
looksoftware RPG Open Access Demo
Signed on as user: HAMPSON
Work with Output Queue
View 2
Writers
Printers
More keys
Queue NIGHTIMGQ Library QUSRSYS Status RLS
Type options, press Enter.
Opt File User User Data Sts Pages Copies Form Type Pty
OE150X CJN400 *SENT RDY 4 1 *STD 5
OE150X CJN400 *SENT RDY 4 1 *STD 5
OE150X CJN400 *SENT RDY 4 1 *STD 5
OE150X CJN400 *SENT RDY 4 1 *STD 5
OE150F CJN400 *SENT RDY 6 1 *STD 5
OE152R CJN400 004 RDY 2 1 *STD 5
QE152R CJN400 004 RDY 1 1 *STD 5
OE150F CJN400 *SENT RDY 4 1 *STD 5
OE152R CJN400 002 RDY 3 1 *STD 5
Parameters for options 1, 2, 3 or command
Cancel
OK


Display Spooled File - Windows Internet Explorer
file:///C:/Program%20Files/looksoftware%209.0/@RPGOA2/smartframe/SmartFrame.htm?skin=skin
looksoftware RPG Open Access Demo
Signed on as user: HAMPSON
Display Spooled File
Left
Right
More keys
File
OE152R
Page/Line
1/3
Control
Columns
Find
*...+....1....+....2....+....3....+....4....+....5....+....6....+....7....+...
4/27/10 19:18:45
Report: OE152R
Order # Customer
1012829.00 2746333 Biltmore Company
CAM FR258L40 Rack Flatware 19 3/4"Sq X 4" Gray
STB 1
A/R Due: 6,467.28 Credit Limit: 10,000 Terms:N-30 Tax St:NC
1012854.01 4005795 Blue Ridge Baking Company
DWL NLP-9 Loaf Pan 9" X 5" X 2.5" Carbon Steel
GWB 1
A/R Due: .00 Credit Limit: Terms:COD Tax St:NC
1012811.00 2555933 Buncombe Cty School Food Service
CTH HWU1451XM Cabinet Holding Mech. Contrl 120/60/1 In
STB 8
Cancel
OK
Overprinting not displayed.

26 - 30 April Hilton Hotel
Orlando Conference 2010
looksoftware
The Path Forward

new style UI


RIA client - Windows Internet Explorer
C:\Program Files\looksoftware 9.0\@RPGOA\ROA.html
Google
Favorites
RIA client
Sales Order History
Customer Name
Charleston Place
Customer Number
0424999
Last Purchase
2009-12-23
Description
Vendor
Order Entry
Day End
Change Branch
Order History
Sales Order History
Non Stock Orders
Customer Management
Sales Charts
Order History Lines
Vnd Order
Order No
Description
Order Date
Qty
Sell Cost
ACR
TP-17
Pan,Pizza,17" Rnd,18 Guage
1997-06-30
1
4.61
ATC
4848
Cutter, Set Aspic Or Jelly, 12 P
2001-01-25
1
8.25
ATC
9P
Pastry Tube,Plain,#9,Tin Plate
1996-04-04
1
96
BVT
202CS-L
Pant,Chef,Chalk Stripe,Drawstrin
2000-07-20
1
37.95
BVT
202DSB-M
Pant,Cook,Drawstring,Black,Med.
2003-04-21
1
34.95
Collapse
Expand
Home
Sales
Inventory
Warehouse
Accounts Receivable
Accounts Payable
General Legder
Dishwasher Billing
Drop Shipment Billing
Time Clock
Payroll
Time and Attendance
POS



Vnd Order	Order No	Description	Order Date	Qty	Sell Cost
ACR	TP-17	Pan,Pizza,17" Rnd,18 Guage	1997-06-30	1	4.61
ATC	4848	Cutter, Set Aspic Or Jelly, 12 P	2001-01-25	1	8.25
ATC	9P	Pastry Tube,Plain,#9,Tin Plate	1996-04-04	1	96
BVT	202CS-L	Pant,Chef,Chalk Stripe,Drawstrin	2000-07-20	1	37.95
BVT	202DSB-M	Pant,Cook,Drawstring,Black,Med.	2003-04-21	1	34.95
BVT	608BAC-BR	Apron,Bib,Novelty,Beer,Retail	2001-05-18	1	17.95
CAM	16S800-167	Glass Rack, 16 Comp.With 4 Exten	2010-04-14	2	44.15
CAM	36S800-168	Camrack® Glass Rack, w/4 extende	2010-04-14	2	44.95
CAR	8006093	Bowl Fleur 12" 6 Qt	2005-12-28	5	16.25
CCR	4039000	Brush,Pastry,Flat,1 1/2",Nylon #	1998-03-17	1	3.3
CMD	CMA-180UC	Dishwasher, Undercounter, High T	2006-05-30	1	3295
CRG	925	Spreader/Spatula, 7 3/4", Nylon	1998-03-17	1	1.04
FBI	6850-SH-EP	Tray Stand Steel 35.5"H Finished	2008-09-24	24	44.8
FMP	285-1046	Slicer Cover For Sunkist S-102	2002-12-30	2	13.6
ACR	BLACK BM1218	Bar Mat Black 12" X 18"	2009-04-23	2	16.95
ACR	P-770	Pourer Liquid Standard W/Hinged	1999-04-26	1	1.51
ACR	TP-14	Pan Pizza 14" Round 18 Gauge	2000-12-15	1	3.95
ACR	WCS-867	Corkscrew Curved Knife Deluxe	2000-01-18	58	1.4
ACR	13005	Cutter,Biscuit,3" X 2-1/4",Alumi	2000-01-18	1	6.3
ACR	18714	Screen,Pizza,14" Rnd	2000-12-15	1	4.25
ACR	19003-9	Stand, Universal, 9"X8"X7" 5/16"	1998-08-13	1	7.58
ATC	1446	Comb Decorating Triangular Alumi	1998-08-13	1	94
ATC	3218	Pastry Bag Canvas 18"	1999-10-27	1	6.06
ATC	3221	Pastry Bag Canvas 21"	1998-11-20	3	6.3
ATC	5357	Cutter Set Round S/S Plain 11 Pi	1999-06-10	1	15.36
ATC	825	Pastry Tube # 825 Open Star S/S	2000-10-23	1	1.25
ATC	826	Pastry Tube # 826 Open Star S/S	1998-06-09	1	1.03
ANH	176FU	Glass Mixing 16oz Case	1999-10-28	1	73.20

RIA client - Windows Internet Explorer

C:\Program Files\looksoftware 9.0\@RPGOA\ROA.html

Favorites | RIA client

Sales Order History

Customer Name	Charleston Place
Customer Number	0424999
Last Purchase	2009-12-23

Description

Vendor

- Order Entry
- Day End
- Change Branch
- Order History

Sales Order History | Non Stock Orders | Customer Management | Sales Charts

Order History Lines

Collapse

Expand

Vnd Order	Order No	Description	Order Date	Qty	Sell Cost
ATC	5357	Cutter Set Round S/S Plain 11 Pi	1999-06-10	1	15.36
ATC	825	Pastry Tube # 825 Open Star S/S	2000-10-23	1	1.25
ATC	826	Pastry Tube # 826 Open Star S/S	1998-06-09	1	1.03
ANH	176FU	Glass Mixing 16oz Case	1999-10-28	1	73.20

Vendor ANH ANCHOR HOCKING

Item # 176FU Glass Mixing 16 Oz 2 Doz/Cse

Item Status Stock Item

Group GLAS Glassware

SubGr

Class 11 Smallwares, Non-Taxable

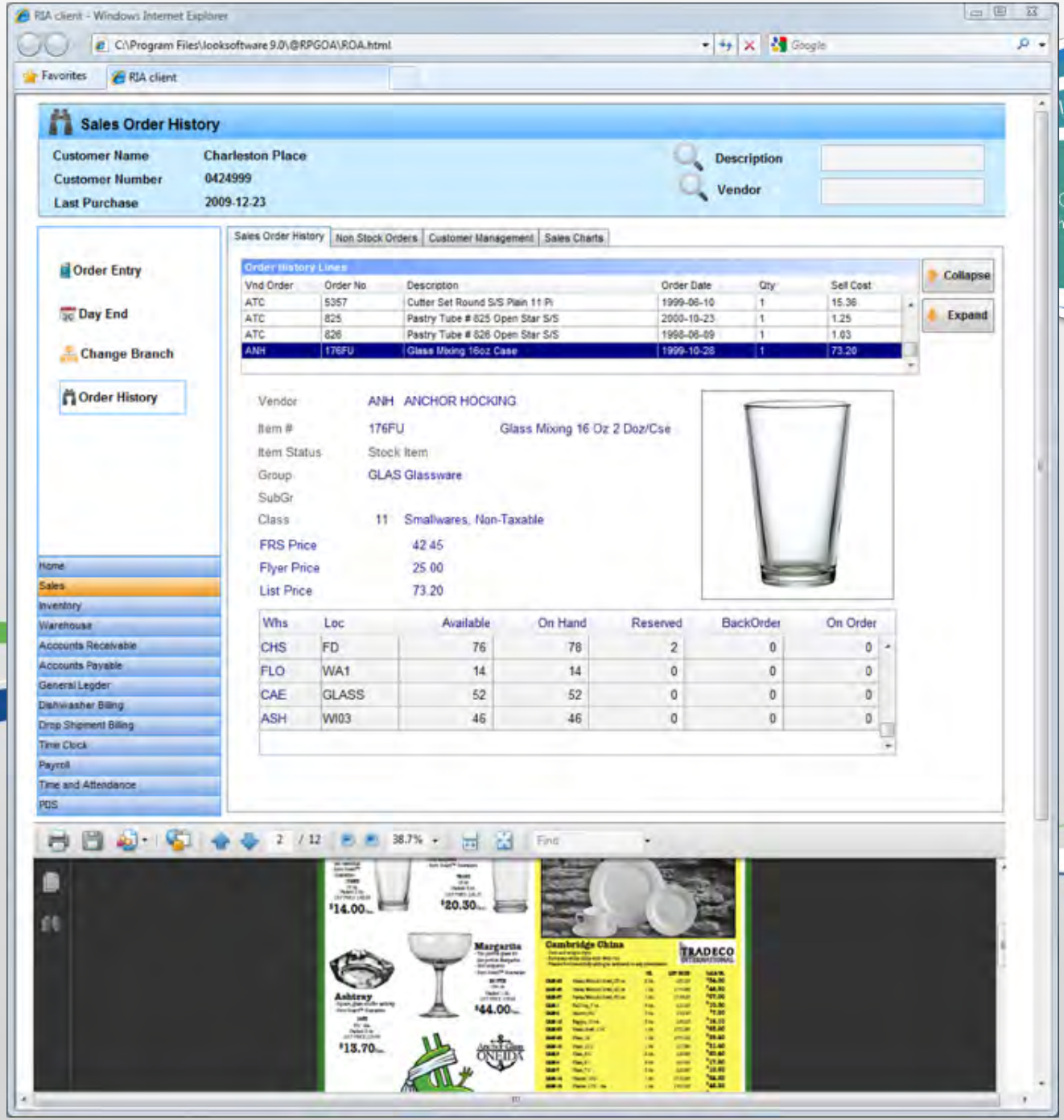
FRS Price 42.45

Flyer Price 25.00

List Price 73.20

Whs	Loc	Available	On Hand	Reserved	BackOrder	On Order
CHS	FD	76	78	2	0	0
FLO	WA1	14	14	0	0	0
CAE	GLASS	52	52	0	0	0
ASH	WI03	46	46	0	0	0

- Home
- Sales
- Inventory
- Warehouse
- Accounts Receivable
- Accounts Payable
- General Ledger
- Dishwasher Billing
- Drop Shipment Billing
- Time Clock
- Payroll
- Time and Attendance
- PDS


RIA client - Windows Internet Explorer
C:\Program Files\looksoftware 9.0\@RPGOA\ROA.html
Favorites
RIA client
Sales Order History
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Charleston Place
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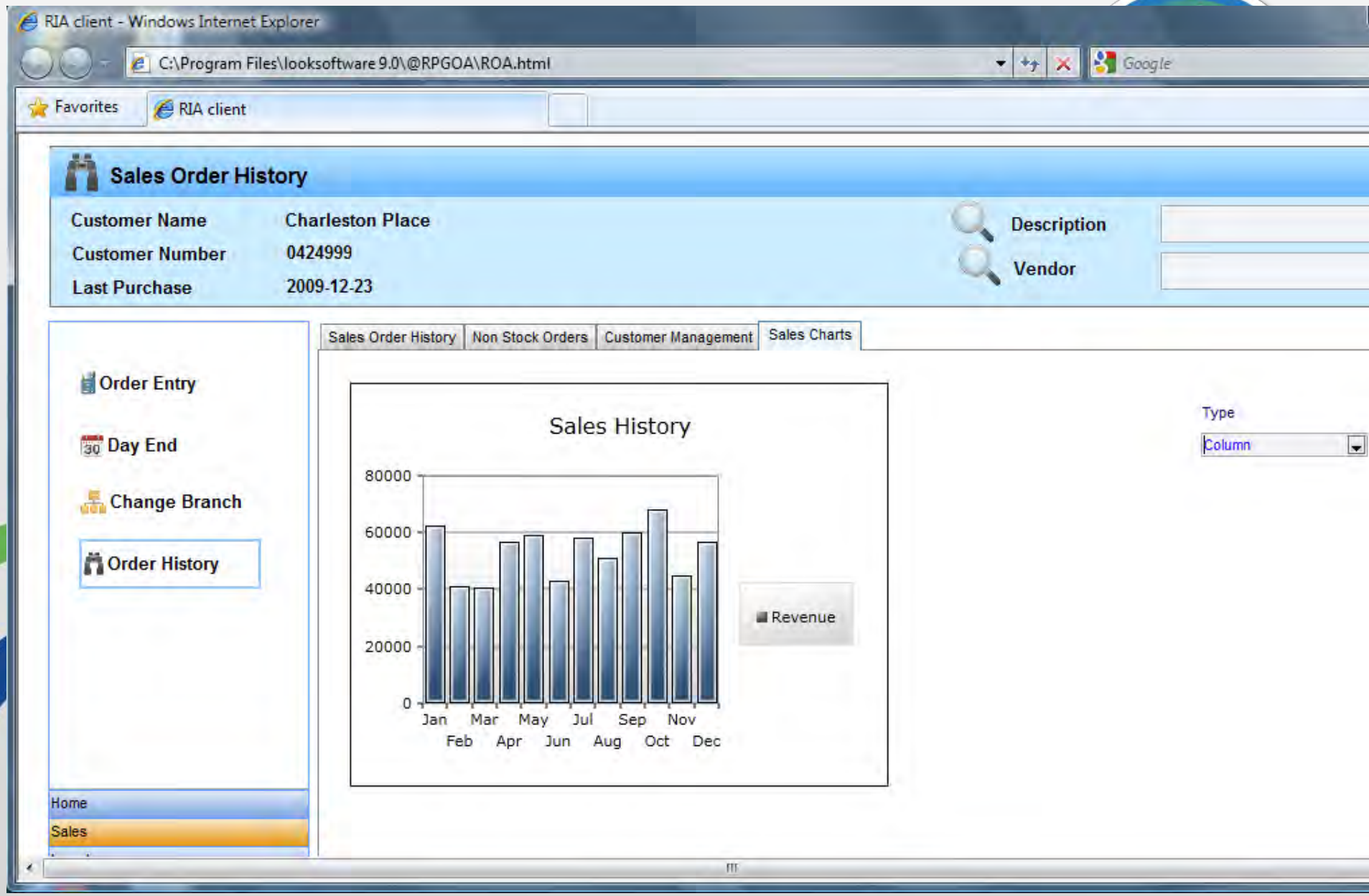
Order History
Sales Order History
Non Stock Orders
Customer Management
Sales Charts
Order History Lines
Vnd Order
Order No
Description
Order Date
Qty
Sell Cost
ATC 5357 Cutter Set Round S/S Plain 11 Pi 1999-08-10 1 15.36
ATC 825 Pastry Tube # 825 Open Star S/S 2000-10-23 1 1.25
ATC 826 Pastry Tube # 826 Open Star S/S 1998-06-09 1 1.03
ANH 176FU Glass Mixing 16oz Case 1999-10-28 1 73.20
Collapse
Expand
Vendor ANH ANCHOR HOCKING
Item # 176FU Glass Mixing 16 Oz 2 Doz/Cse
Item Status Stock Item
Group GLAS Glassware
SubGr
Class 11 Smallwares, Non-Taxable
FRS Price 42.45
Flyer Price 25.00
List Price 73.20
Whs
Loc
Available
On Hand
Reserved
BackOrder
On Order
CHS FD 76 76 2 0 0
FLO WA1 14 14 0 0 0
CAE GLASS 52 52 0 0 0
ASH WI03 46 46 0 0 0
Home
Sales
Inventory
Warehouse
Accounts Receivable
Accounts Payable
General Ledger
Dishwasher Billing
Drop Shipment Billing
Time Clock
Payroll
Time and Attendance
POS
Margarita
Ashtray
Cambridge China
TRADECO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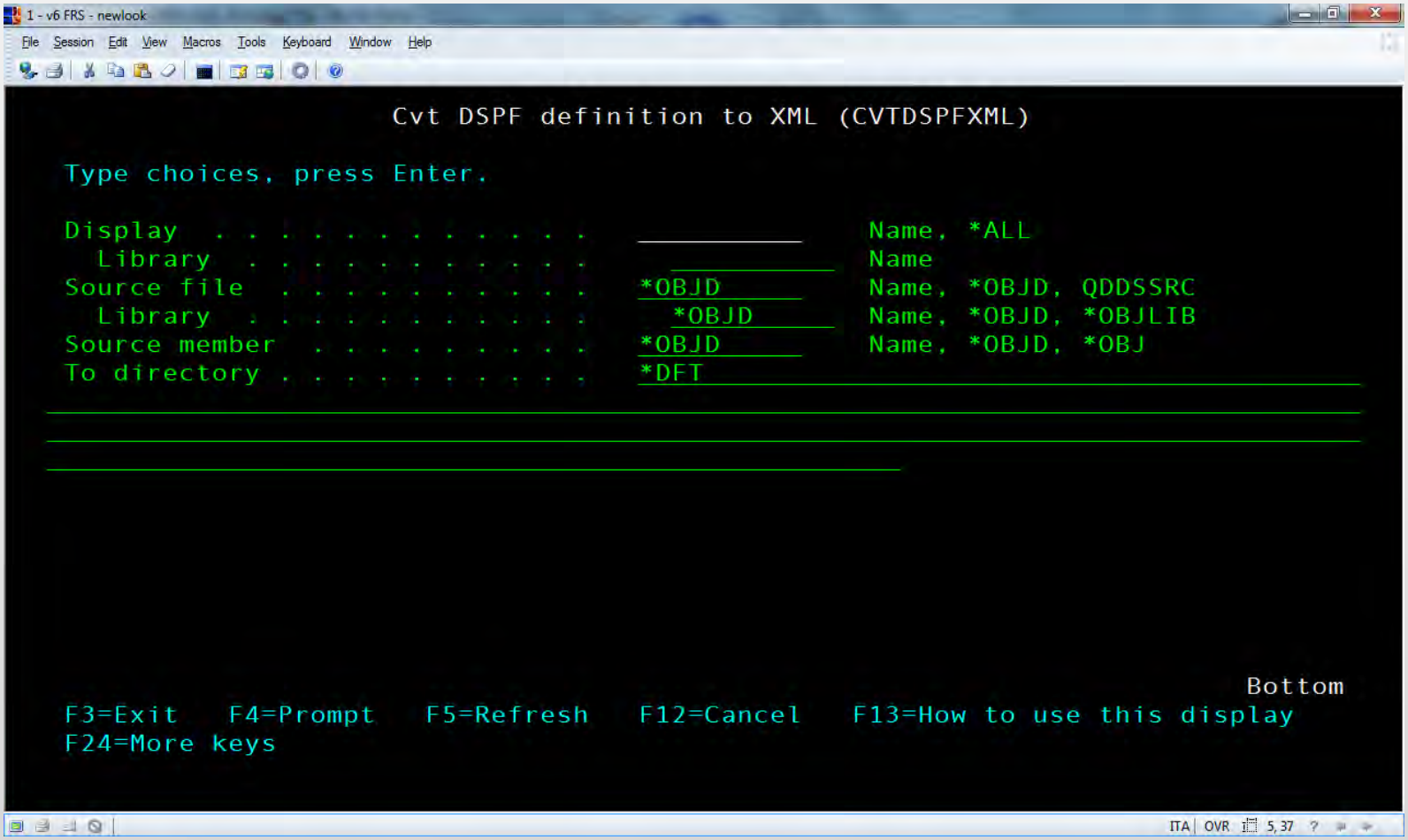
Charleston Place
Customer Number
0424999
Last Purchase
2009-12-23
Description
Vendor
Order Entry
Day End
Change Branch
Order History
Sales Order History
Non Stock Orders
Customer Management
Sales Charts
Sales History
80000
60000
40000
20000
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Revenue
Type
Column
Home
Sales

What the programmer needs to do?

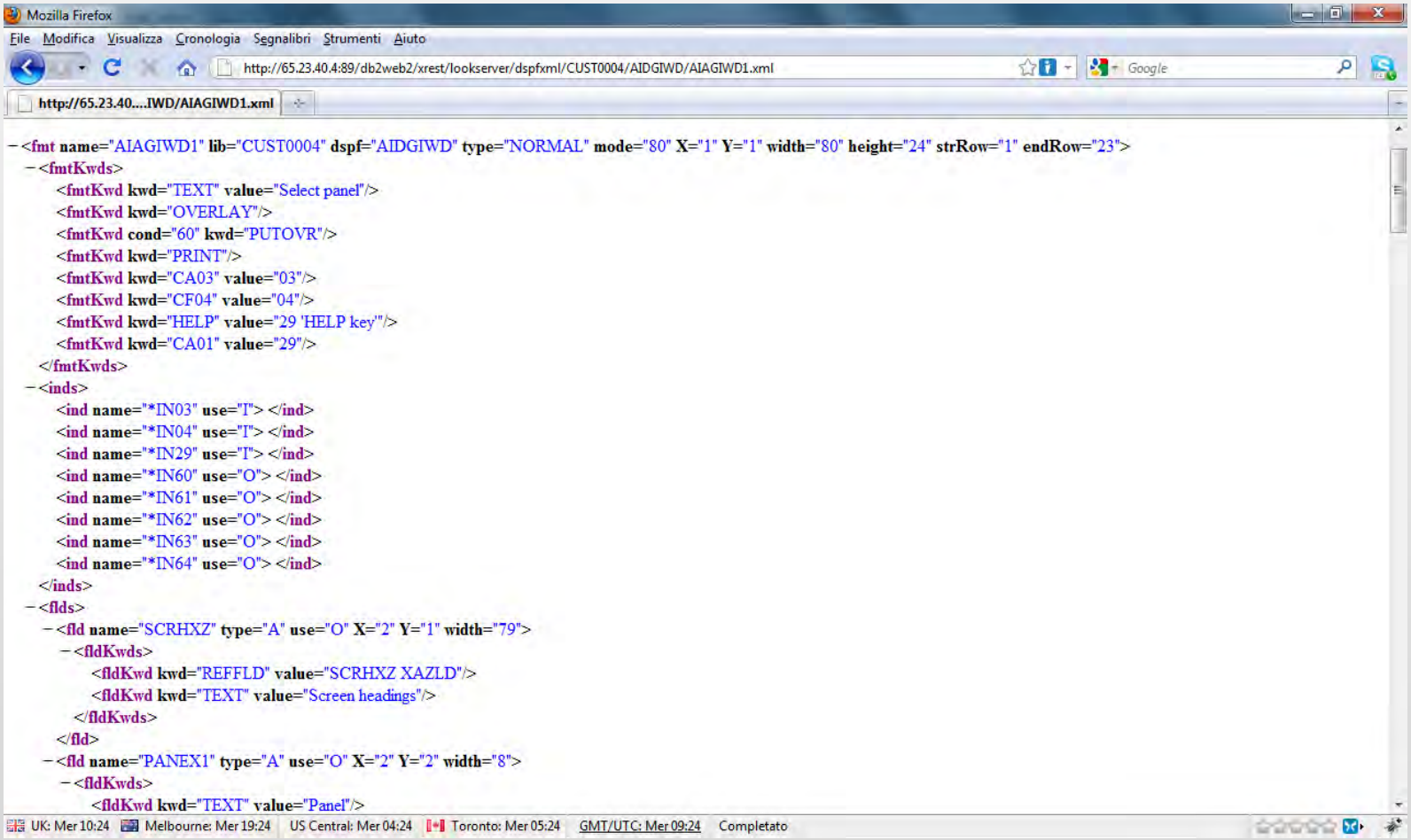
looksoftware delivers 2 commands:

- Command CVTDSPFXML
- Command CVTRPGROA

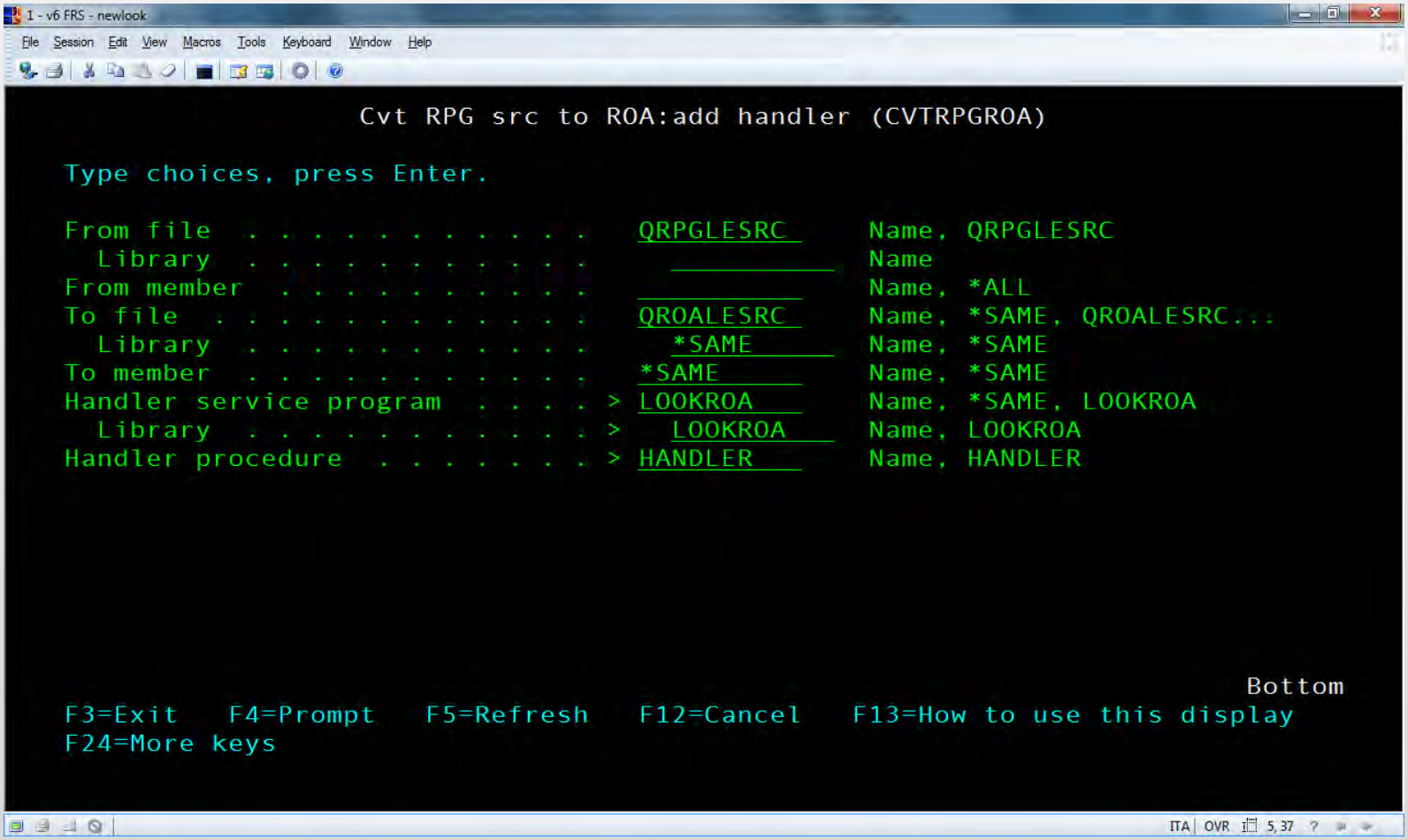
Conversion of display file to XML



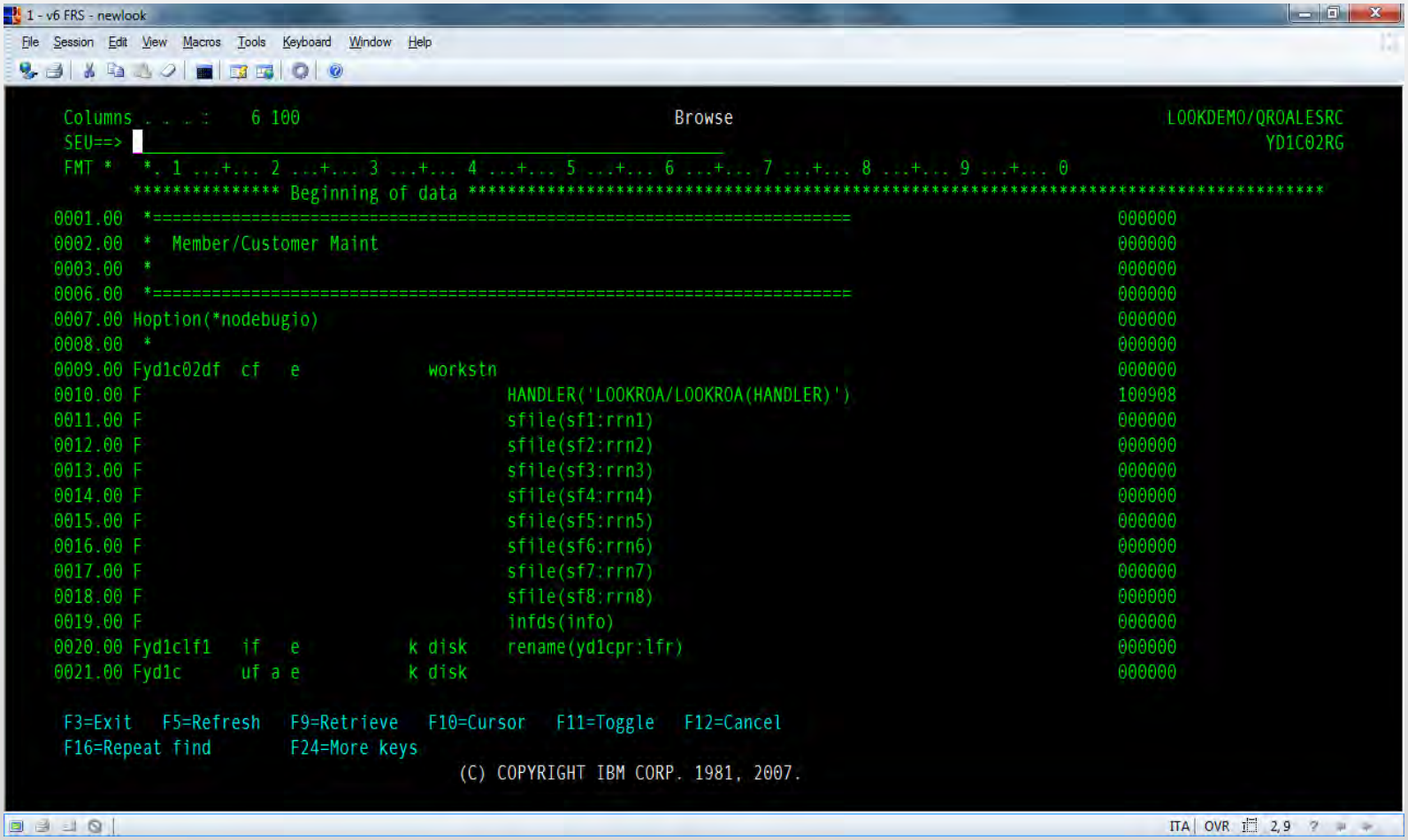
Conversion of display file to XML



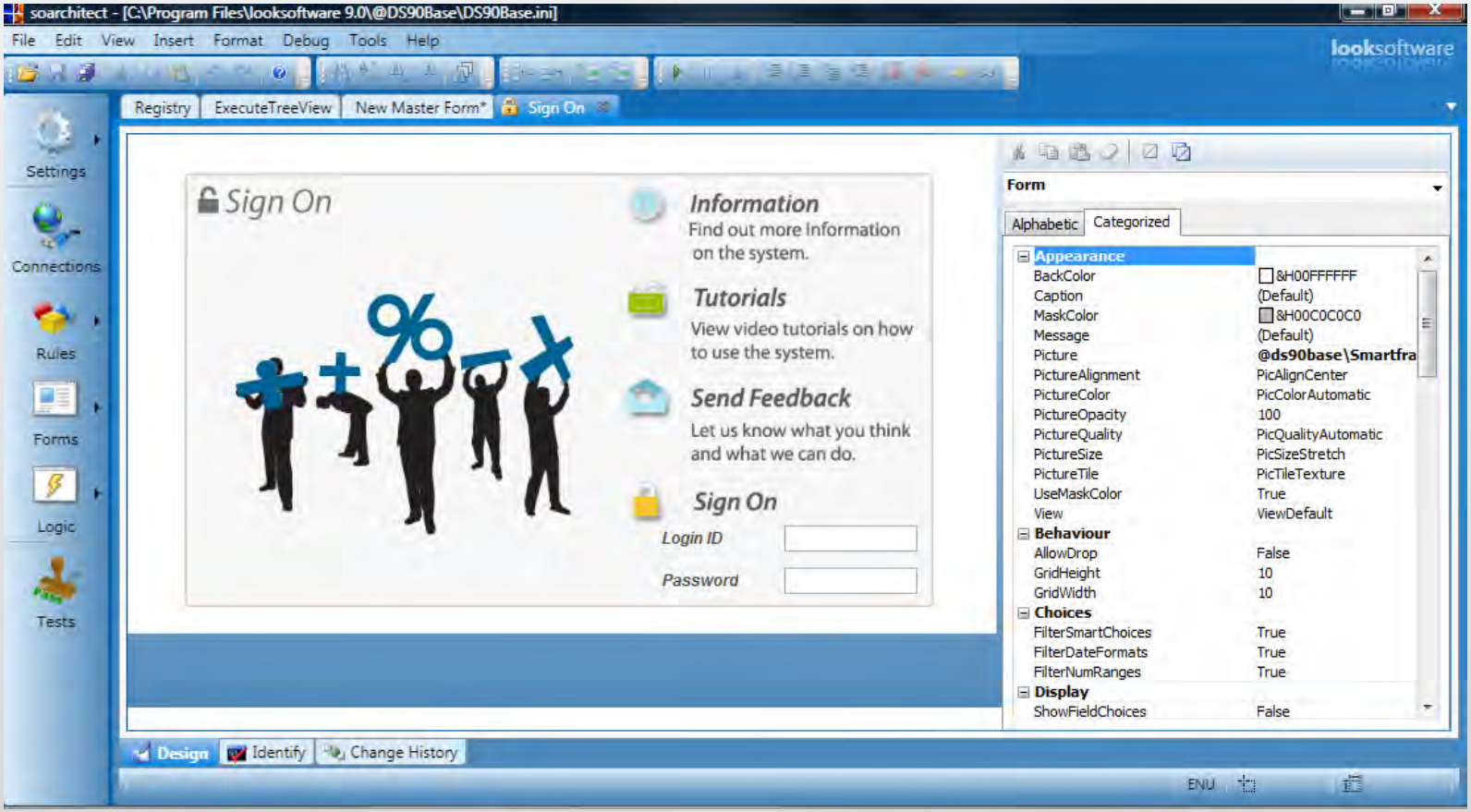
Conversion of RPG to ROA



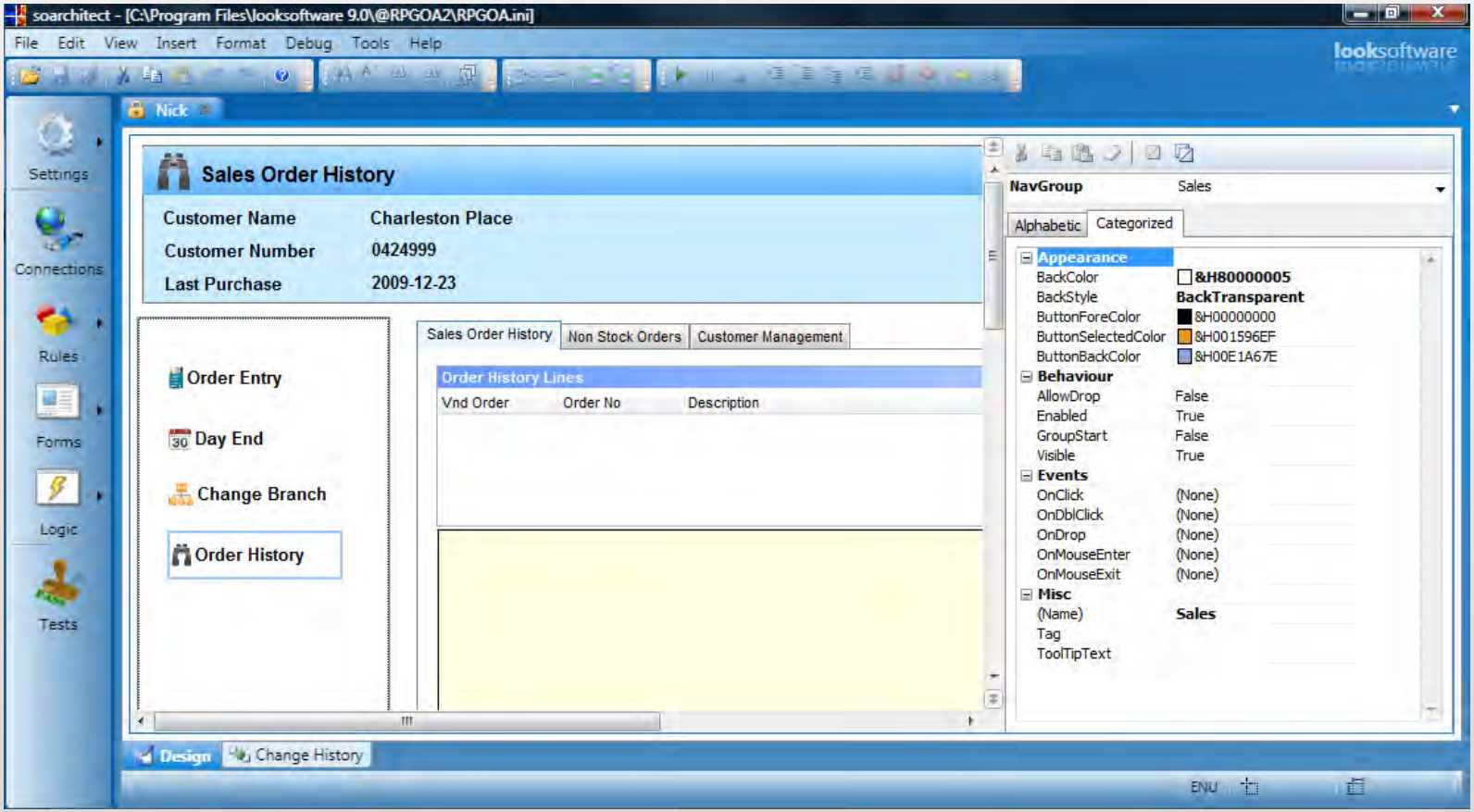
Conversion of RPG to ROA



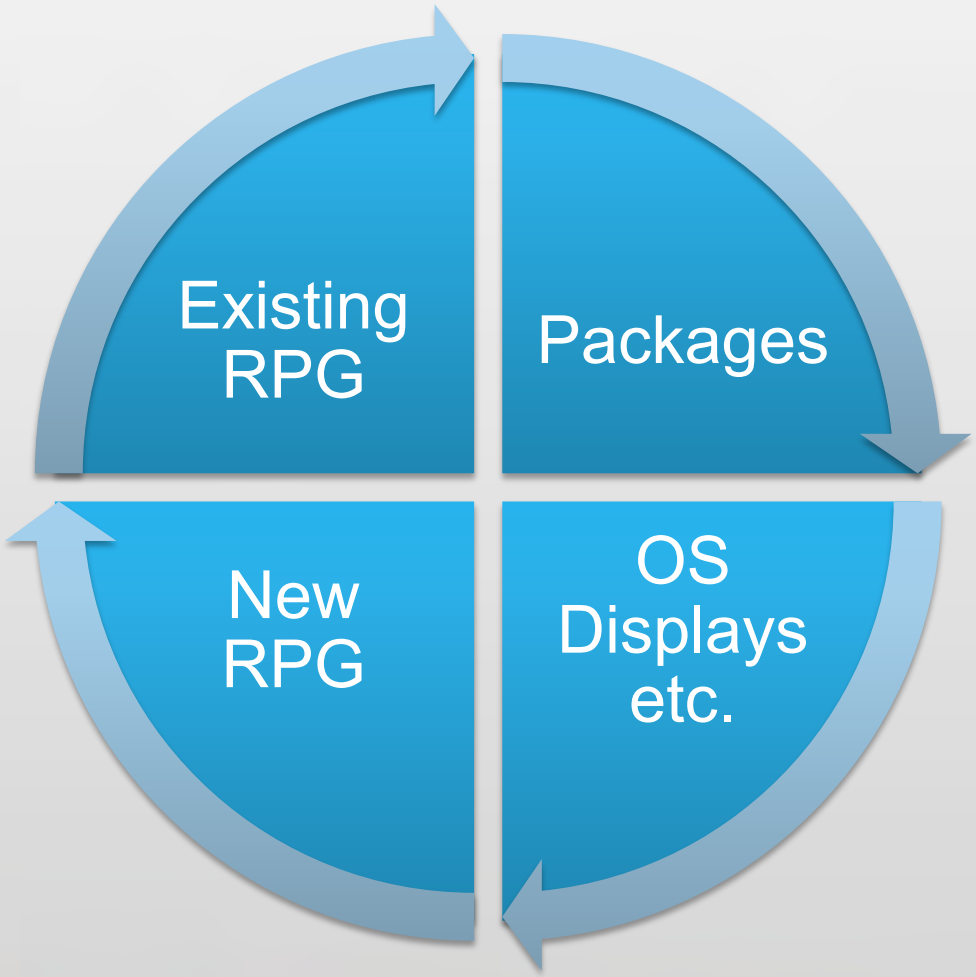
The WYSIWYG Designer…



… to overcome SDA



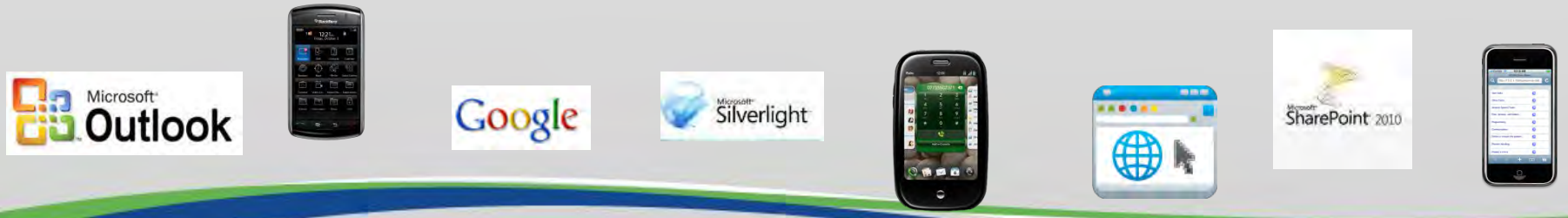
A holistic approach to RPG OA



A holistic approach to RPG OA

So what did **look**software announce?

- A single generic multi-channel handler
  - New IBM i version of **look**server
- Updates to existing products
  - IDE for new RPG OA based development
  - multi-channel products to leverage OA
- Automated OA enablement of existing RPG
- Early access program open

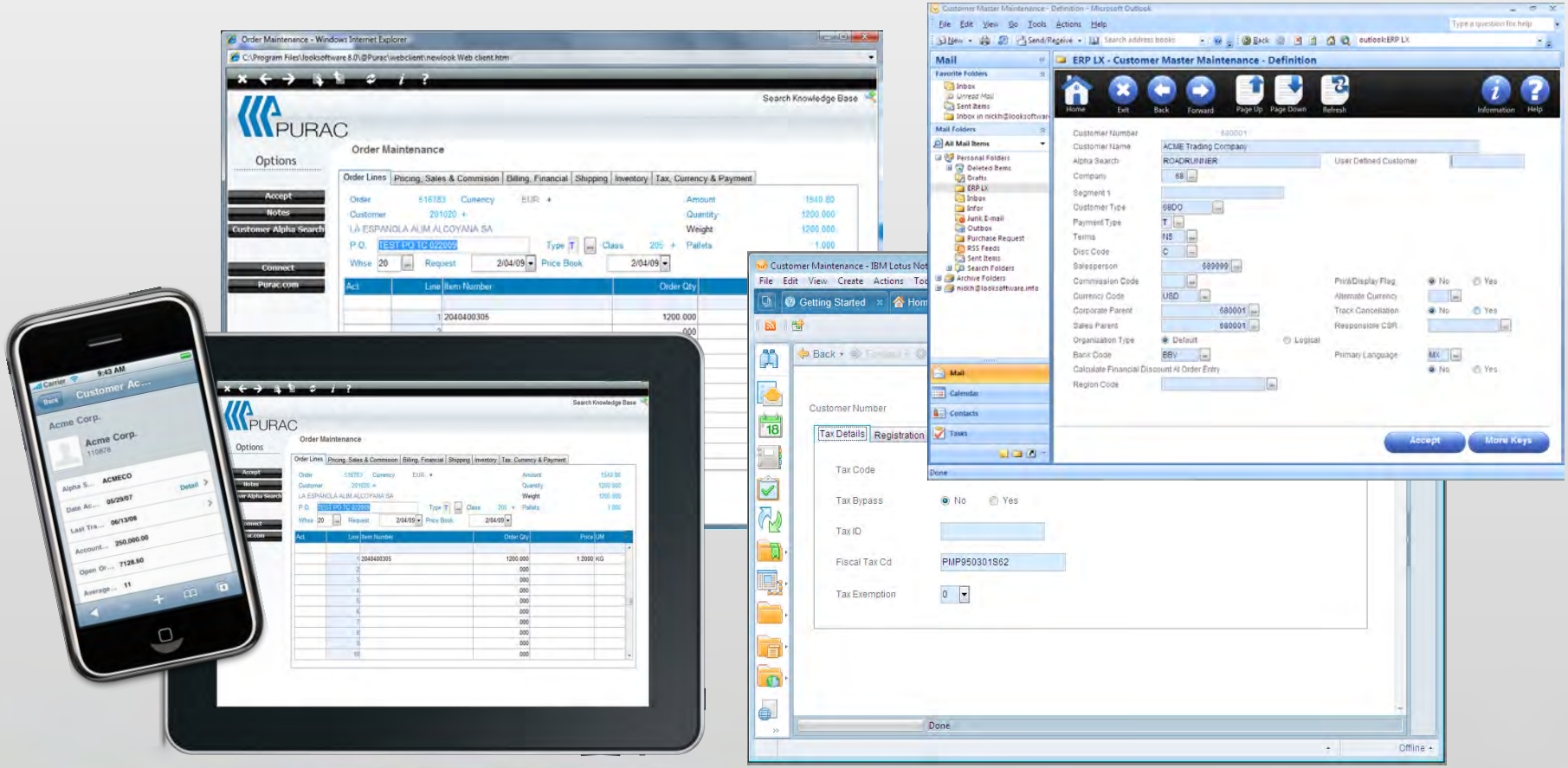


Why use **look**software's handler?

- Complete & holistic solution
  - automated modernization of non OA to OA
  - new + old in same UI and same session
  - System displays + RPG displays in same session
  - Consistent UX even if no source code
- Maximise native code potential
  - Use native RPG and DDS wherever possible
- Generic handler supports Multi-channel
  - More than just a browser
    - Rich Windows client, RIA, thin, mobile, And web services
- WYSIWYG Designer to overcome SDA
- Broad, integrated product set
  - Front-end, back-end, + new
- We've done it before

Multi-channel

- More than just a browser
  - Rich Windows client, RIA, thin, mobile, web services



Support from IBM i Community

"This technology potentially permits RPG programs to take full, direct advantage of an enterprise service architecture. ROA is really attractive because it lets the RPG programmer focus on logic and content."

Mandy Shaw, iPerimeter, IBM i consultant

"For me, ROA is simply the proof that IBM is staying in the RPG game. I have applications written in a variety of languages but my fastest method of getting information from the DB to the UI is still RPG."

Brian Bradley, Vilden, IBM I Application Vendor

" RPG Open Access is very much the kind of RPG enhancement we had been lobbying to get for years - even before we left IBM more than 12 years ago."

Jon Paris, Partner400

"I am excited about the recent announcement that RPG Open Access, is finally here and we can actually talk about it!"

Aaron Bartel

Support from IBM i Community

"This Open Access function is a dramatic new option for RPG applications – if you want to bypass the 5250 requirement, this lets you write applications for the first time without outputting them to a 5250 data stream, and this will really open up a wide range of new application possibilities."

Ian Jarman, Manager of Power Systems Software, IBM

"For the first time, we're separating the RPG runtime from the output device so you have the user interface completely separate from the business logic."

Chris Smith, MC Press

"I'm a supporter of RPG Open Access... I do believe it is a very significant step forward for many - not all - RPG shops."

Susan Gantner, Partner400

"I have no fear to claim that the ROA announcement may prove to be a watershed moment for RPG and IBM i."

Marinus Van Sandwyk, TEMBO Technology Lab

looksoftware support for IBM Open Access for RPG

For more info contact

Todd on 678-354-1094 or

toddf@looksoftware.com